









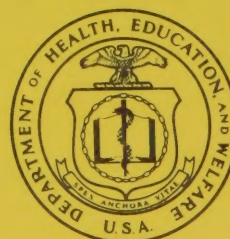
SPECIMEN FASCICULUS

January 1965

# Abridged Index Medicus

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## INTRODUCTION

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There is little need to call to the attention of the user of Index Medicus the current explosion of biomedical publication and the resulting difficulties experienced by physicians in keeping up with the literature. The National Library of Medicine has adhered to the policy of comprehensive indexing of the biomedical literature in Index Medicus in order to provide a means of access to the large volume of material published in 2400 journals in 38 languages.

In recent years, it has been proposed that the National Library of Medicine provide a more selective publication which would permit access to the literature of immediate interest to medical practitioners.

In response to this need, the National Library of Medicine offers this specimen fasciculus of an Abridged Index Medicus. This issue contains 3,667 citations representing one month's input into MEDLARS from 200 journals (99 percent of which are in the English language). The journal titles have been selected for their interest and applicability to the practice of medicine and the allied professions. The method and depth of indexing of this selected literature is identical to that of Index Medicus. The size of the issue is arbitrary, since MEDLARS has the capability of generating indexes of various frequencies and characters.

This specimen fasciculus is presented for evaluation by the medical profession. If it is determined that such a publication would represent a desirable service to the profession, regular publication of the abridgement would follow. The Library therefore solicits the comments and suggestions of the medical profession on the usefulness of this proposed publication.

Martin M. Cummings, M.D.  
Director, National Library of Medicine

National Library of Medicine  
Bethesda, Maryland 20014  
December, 1964





## ABDOMEN

Bone formation in abdominal scars after xiphoidectomy. Watkins GL. *Arch Surg (Chicago)* 89:731-4, Oct 64  
A cough-belt to prevent and treat postoperative pulmonary complications. Barlow D. *Lancet* 2:736, 3 Oct 64

## ABDOMINAL INJURIES

Complications of the Noble procedure. Wilson ND. *Amer J Surg* 108:264-9, Aug 64  
Traumatic injuries to the biliary system in children. Hartman SW, et al. *Amer J Surg* 108:150-6, Aug 64  
A technic for operative correction of pancreatic fistula. Antila LE. *J Int Coll Surg* 42:379-81, Oct 64

## ABDOMINAL NEOPLASMS

Esophageal chemotherapy for abdominal malignancies. Methodology and preliminary report. Nora PF, et al. *Arch Surg (Chicago)* 89:735-40, Oct 64  
Anuria due to uric acid crystalluria: an unusual complication of therapy in the reticuloses. Conolly ME, et al. *Brit J Cancer* 18:247-51, Jun 64  
Solitary metastatic orbital tumour due to sympathetic neuroblastoma. Sivaramasubramaniam P. *Brit J Ophthalmol* 47:312-3, May 63  
The role of radiotherapy in the treatment of tumours in children. Pearson D. *J Clin Path* 17:423-6, Jul 64  
The metabolism and excretion of Co57 tetraphenylporphyrinesulfonate in cancer patients. Winkelman J, et al. *J Nucl Med* 5:462-70, Jun 64  
Internal fluid shifts secondary to intraperitoneal nitrogen mustard. Brown FE, et al. *Surg Forum* 15:386-7, 1964

## ABDOMINAL WALL

Genital aplasia of the abdominal muscles with urogenital malformations. Andrén L, et al. *Acta Radiol [Diagn] (Stockholm)* 2:298-304, Jul 64  
Expiratory activity of the abdominal muscles in man during general anesthesia. Freund F, et al. *J Appl Physiol* 19:693-7, Jul 64

## ABNORMALITIES

Absence of one umbilical artery. Analysis of 60 cases with emphasis on associated developmental aberrations. Seki M, et al. *Arch Path (Chicago)* 78:446-53, Oct 64  
Congenital biliary atresia. Barclay S. *Aust New Zeal J Surg* 34:24-6, Aug 64  
Congenital anomalies of the cystic duct. Rabinovitch J, et al. *J Int Coll Surg* 42:372-8, Oct 64  
Causes of perinatal death in Uganda Africans, with special reference to congenital malformations. Dodge OG, et al. *J Pediatr* 65:267-9, Aug 64  
Congenital malformations and maternal diabetes. Dunn PM. *Lancet* 2:644-5, 19 Sep 64

Deformities produced by operations on the rabbit fetus. Spencer DM, et al. *Surg Forum* 15:441-2, 1964

## ABNORMALITIES, DRUG-INDUCED

The ototoxicity of chloroquine phosphate. Hart CW, et al. *Arch Otolaryng (Chicago)* 80:407-12, Oct 64  
Ocular defects in thalidomide babies. Cullen JF. *Brit J Ophthalmol* 48:151-3, Mar 64  
Effects of thalidomide on pregnancy in the rabbit. Hay MF. *J Reprod Fertil* 8:59-76, Aug 64  
Discoloration of primary dentition after maternal tetracycline ingestion in pregnancy. Swallow JN. *Lancet* 2:611-2, 19 Sep 64  
Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Bragonier JR, et al. *Proc Soc Exp Biol Med* 116:685-8, Jul 64  
Autoradiographic investigations of 14-C-labelled thalidomide and glutethimide in pregnant mice. Koransky W, et al. *Proc Soc Exp Biol Med* 116:512-6, Jun 64  
Effects of Cel144 administered to pregnant rats. McFee AF. *Proc Soc Exp Biol Med* 116:712-5, Jul 64

## ABO FACTORS

Influence of sex and ABO blood group on the normal lymphocyte transfer test. Moorhead JF, et al. *Brit Med J* 5417:1111-3, 31 Oct 64  
Blood-group frequencies and astrocytomata. Garcia JH, et al. *J Neurosurg* 20:397-9, May 63  
[Influence of the ABO blood group system on the occurrence of hemolytic disease of the newborn caused by Rh incompatibility] Bossi E. *Helv Paediat Acta* 19:34-41, Jun 64 (Ger)

## ABORTION

Serum folic acid activity and vaginal bleeding in early pregnancy. Martin JD, et al. *J Obstet Gynaec Brit Comm* 71:400-3, Jun 64  
The role of folic acid in pregnancy; with particular reference to anaemia, abortion and abortion. Hibbard BM. *J Obstet Gynaec Brit Comm* 71:529-42, Aug 64

## ABORTION, HABITUAL

The incompetent cervix: a survey of survivors. Goldstein PJ, et al. *Obstet Gynec* 23:752-6, May 64

## ABORTION, THERAPEUTIC

Rubella and termination of pregnancy. *Brit Med J* 5418:1075-6, 24 Oct 64

## ABORTION, THREATENED

Serum folic acid activity and vaginal bleeding in early pregnancy. Martin JD, et al. *J Obstet Gynaec Brit Comm* 71:400-3, Jun 64

Urinary oestrogen excretion in threatened abortion. Hähnel R, et al. *J Obstet Gynaec Brit Comm* 71:599-603, Aug 64

## ABORTION, VETERINARY

Pneumonitis with alveolar-capillary block in a cattle rancher exposed to epizootic bovine abortion. Barnes MG, et al. *New Eng J Med* 271:981-5, 5 Nov 64

## ABRUPTIO PLACENTAE

The role of folic acid in pregnancy; with particular reference to anaemia, abortion and abortion. Hibbard BM. *J Obstet Gynaec Brit Comm* 71:529-42, Aug 64

## ABSCESS

Unusual complication of a chalazion. Chadwick AJ. *Brit J Ophthalmol* 47:364, Jun 63  
Case records of the Massachusetts General Hospital. Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64

## ABSORPTION

Absorption of human rib cartilage grafts transplanted to rabbits after preservation by different methods. Krüger E. *Brit J Plast Surg* 17:254-64, Jul 64

## ACANTHOCEILONEMA

The heparinized capillary tube as an epidemiologic tool. II. Concentration of blood parasites by centrifugation. Worth RM. *Amer J Hyg* 80:70-4, Jul 64

## ACCELERATION

The vestibular Coriolis reaction. Fernandez C, et al. *Arch Otolaryng (Chicago)* 80:469-72, Oct 64

## ACCIDENT PREVENTION

A modern medical program for the small plant. Its contribution to safety. Sutter RA. *Industr Med Surg* 33:560-3, Aug 64  
Fractures of the shaft of the femur resulting from automobile accidents. Kulowski J. *J Int Coll Surg* 42:412-20, Oct 64

## ACCIDENTS

Occurrence of poisoning by pesticides. Hayes WJ Jr. *Arch Environ Health (Chicago)* 9:621-5, Nov 64  
Accidental poisoning in children. Sweetnam WP. *Brit Med J* 5418:1199-200, 7 Nov 64  
Hazards to health: the motor scooter. Frank ED. *New Eng J Med* 271:836, 15 Oct 64  
The organization of a provincial accident center in the south-western region. Durbin FC. *Proc Roy Soc Med* 57:485-92, Jun 64



ACCIDENTS, AVIATION

The vestibular Coriolis reaction. Fernandez C, et al. *Arch Otolaryng* (Chicago) 80:469-72, Oct 64

ACCIDENTS, INDUSTRIAL

Epidemiology of disability after work injuries. Abramson JH, et al. *Arch Environ Health* (Chicago) 9:572-80, Nov 64  
Epidemiology of disabling work injuries in Israel. Mann KJ, et al. *Arch Environ Health* (Chicago) 9:505-13, Oct 64  
Grease-gun injury. Smith MG. *Brit Med J* 5414:918-20, 10 Oct 64  
Grease-gun injury. Philipson JA. *Brit Med J* 5418:1197, 7 Nov 64

ACCIDENTS, TRAFFIC

Fractures of the shaft of the femur resulting from automobile accidents. Kulowski J. *J Int Coll Surg* 42:412-20, Oct 64

ACCLIMATIZATION

Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. Wyndham CH, et al. *J Appl Physiol* 19:607-12, Jul 64  
Physiological reactions to cold of men in the Antarctic. Wyndham CH, et al. *J Appl Physiol* 19:593-7, Jul 64  
Heat reactions of Caucasians and Bantu in South Africa. Wyndham CH, et al. *J Appl Physiol* 19:598-606, Jul 64  
Physiological reactions of Caucasian and Bantu males in acute exposure to cold. Wyndham CH, et al. *J Appl Physiol* 19:583-92, Jul 64

ACCOMMODATION, OCULAR

The mlotic life. *Brit J Ophthal* 48:354-6, Jul 64

ACETAMINOPHEN

Analgesic abuse and the kidney--a commentary. *JAMA* 190:238-9, 19 Sep 64

ACETATES

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64  
Effect of Salmonella gallinarum on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64  
Mitochondrial stimulation of fatty acid biosynthesis. Bhaduri AM, et al. *J Biol Chem* 239:1357-63, May 64  
Even e-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al. *J Biol Chem* 239:1346-56, May 64  
The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64  
Effect of 22,25-diazacholesterol on synthesis of cholesterol by rat liver homogenates. Dvornik D, et al. *Proc Soc Exp Biol Med* 116:537-9, Jun 64  
In vivo inhibition of lipogenesis by biotin deficiency. Donaldson WE. *Proc Soc Exp Biol Med* 116:662-4, Jul 64

ACETAZOLAMIDE

Avoidance of side-reactions and loss of drug efficacy during long-term administration of carbonic anhydrase inhibitors by concomitant supplemental electrolyte administration. Draeger J, et al. *Brit J Ophthal* 47:457-68, Aug 63  
Evaluation of sustained-release acetazolamide. Mestre C, et al. *Brit J Ophthal* 47:31-5, Jan 63  
Phospholine iodide (217M1) (ecothiophate iodide) in the treatment of glaucoma. Lloyd JP. *Brit J Ophthal* 47:469-84, Aug 63

ACETOACETATES

Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al. *J Biol Chem* 239:1346-56, May 64

ACETOBACTER

Valine-isoleucine metabolism in Acetobacter strains and the inhibition of growth by valine. Kerwar SS, et al. *J Bact* 88:179-86, Jul 64

ACETRIZOIC ACID

The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64  
A radiographic evaluation of angiographic contrast media. Twigg HL, et al. *Vasc Dis* 1:54-7, Jan 64  
[Studies on the suitability of trilodized roentgen contrast media for cerebral angiography] Alexander K, et al. *Angiologica* (Basel) 1:213-26, 1964 (Ger)

ACETYLCHOLINE

Effect of hypothermia on excitation and propagation in the isolated atrium. Torres JC, et al. *Amer J Physiol* 207:199-202, Jul 64  
Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al. *Amer J Physiol* 206:1201-8, Jun 64  
Mechanism and significance of endotoxin-induced sensitization to acetylcholine in rabbits. Hildebrand GJ, et al. *Amer J Physiol* 206:1213-6, Jun 64  
Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64  
Abolition of autoregulation of renal blood flow by acetylcholine. Nahmod VE, et al. *Amer J Physiol* 207:123-7, Jul 64  
Isolated perfused bovine liver: responses to common vasoactive drugs. Condon RE, et al. *Arch Surg* (Chicago) 89:602-8, Oct 64  
Cholinergic mechanism in subcortical mirror focus and effects of topical application of gamma-aminobutyric acid and acetylcholine. Guerrero-Figueroa R, et al. *Epilepsia* (Amst) 5:140-55, Jun 64  
Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64  
[Acetylcholine and histamine bronchial spasm in neurodermatitis and control subjects] Gottesfeld F. *Int Arch Allerg* 24:Suppl:52-3, 1964 (Ger)

ACETYLCHOLINESTERASE

Polarographic determination--cholinesterase activity. Fiserova-Bergerova V. *Arch Environ Health* (Chicago) 9:438-44, Oct 64  
Cholinesterases, monoamine oxidases, and phosphorylase in the iris muscles. Niemi M, et al. *Arch Ophthal* (Chicago) 72:548-53, Oct 64

ACHIEVEMENT

Academic and emotional problems of college women: low-effort and high-effort syndromes. Flory MD, et al. *Psychiatry* 27:290-4, Aug 64

ACID-BASE EQUILIBRIUM

Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. Huggins CE, et al. *Dis Chest* 46:42-5, Jul 64  
Body fluids and electrolytes after prolonged cardiopulmonary bypass. Brinsfield D, et al. *J Appl Physiol* 19:566-70, Jul 64  
Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Burton GW, et al. *Lancet* 2:782-5, 10 Oct 64

ACID PHOSPHATASE

Histochemistry of hydrolytic and oxidative enzymes in experimental skin carcinoma of the mouse. Auerbach WM. *Cancer Res* 24:937-46, Jul 64  
Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. *Cancer Res* 24:570-81, May 64  
Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64  
Variations in the enzyme histochemistry of the placenta. Curzen P. *J Obstet Gynaec Brit Comm* 71:388-99, Jun 64  
Experimental hydronephrosis: morphologic and enzymatic studies on renal tubules in ureteric obstruction and recovery in the rat. 1. Alkaline and acid phosphatases. Kissane JM, et al. *Lab Invest* 13:539-46, Jun 64

ACIDOSIS

Stop-flow analysis of the influence of pCO2 on renal tubular transport of K and H. Ramsay AG. *Amer J Physiol* 206:1355-60, Jun 64  
Acidosis and blood epinephrine levels in hemorrhagic hypotension. Darby TD, et al. *Amer J Physiol* 206:1281-4, Jun 64  
Respiratory gas studies with ether convulsion. Waun J, et al. *Anesthesiology* 25:580-1, Jul-Aug 64  
Clotting time of heparinized blood. Influence of acidosis. Hardaway RM, et al. *Arch Surg* (Chicago) 89:701-5, Oct 64  
Foetal acidosis. Derom R. *Lancet* 2:757, 3 Oct 64  
Experience with the minicoll artificial kidney. Jones ES, et al. *Lancet* 2:758-9, 3 Oct 64  
Isolated analodystrotonism. I. Clinical entity, with manifestations of persistent hyperkalemia, periodic paralysis, salt-losing tendency, and acidosis. Posner JB, et al. *Metabolism* 13:513-21, Jun 64  
The physiological diagnosis of acid-base disturbances of blood. Fink BR. *Proc Roy Soc Med* 57:693-6, Aug 64  
Effect of low molecular weight dextrans and fibrinolysins on hemorrhagic shock. Schlueter TM, et al. *Surg Forum* 15:32-4, 1964  
Measurement of intracellular hydrogen ion

concentration in patients. Grantham JJ, et al. *Surg Forum* 15:81-2, 1964  
Relationship between acidosis and ventricular fibrillation. Gerst PH, et al. *Surg Forum* 15:242-3, 1964  
Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. Schumer W, et al. *Surg Forum* 15:76-8, 1964  
Hypoglycaemic coma and hyperkalaemic acidosis due to alcohol intoxication. Vinke B. *Trop Geogr Med* 16:115-9, Jun 64

ACIDOSIS, DIABETIC

Alcohol hypoglycemia. Effects of ethanol on plasma. 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? Arky RA, et al. *Arch Intern Med* (Chicago) 114:501-7, Oct 64  
The phagocytic activity of polymorphonuclear leukocytes obtained from patients with diabetes mellitus. Bybee JD, et al. *J Lab Clin Med* 64:1-13, Jul 64  
Diabetic acidosis secondary to steroid therapy. Blureau RP, et al. *New Eng J Med* 271:836, 15 Oct 64

ACIDOSIS, RENAL TUBULAR

Some observations of renal tubular acidosis--a family study. Seedat YK. *S Afr Med J* 38:606-10, 15 Aug 64

ACNE

Study of antibody levels to Corynebacterium acnes. In the serum of patients with acne vulgaris, using bacterial agglutination, agar gel immunodiffusion, and immunofluorescence techniques. Puhvel SM, et al. *Arch Derm* (Chicago) 90:421-7, Oct 64  
Sulfamethoxazole therapy in pustular acne. Orentreich N, et al. *Curr Ther Res* 6:377-80, May 64  
Value of comedo extraction in treatment of acne vulgaris. Lowney ED, et al. *JAMA* 189:1000-2, 28 Sep 64

ACONITE

Influence of autonomic blockade on aconitine induced pulmonary edema. Wood CD, et al. *Proc Soc Exp Biol Med* 116:809-11, Jul 64

ACOUSTIC NERVE

Direct stimulation of auditory nerve fibers. Lawrence M. *Arch Otolaryng* (Chicago) 80:367-8, Oct 64  
Further observations on the pathology of presbycusis. Schuknecht HF. *Arch Otolaryng* (Chicago) 80:369-82, Oct 64  
Electrical stimulation of eight cranial nerve. Doyle JH, et al. *Arch Otolaryng* (Chicago) 80:388-91, Oct 64  
Hearing degeneration in Shaker-1 mouse. Correlation of physiological observations with behavioral responses and with cochlear anatomy. Mikaelian DO, et al. *Arch Otolaryng* (Chicago) 80:418-30, Oct 64

ACRIDINES

Tyrosinase inheritance in Streptomyces scabies. II. Induction of tyrosinase deficiency by acridine dyes. Gregory KF, et al. *J Bact* 87:1287-94, Jun 64  
Elimination of penicillin resistance of Staphylococcus aureus by treatment with acriflavine. Hashimoto H, et al. *J Bact* 88:261-2, Jul 64  
Tyrosinase inheritance in Streptomyces scabies. II. Induction of tyrosinase deficiency by acridine dyes. Gregory KF, et al. *J Bact* 87:1287-94, Jun 64

ACROMEGALY

Survival of endogenous human growth hormone in plasma. Glick SM, et al. *J Clin Endocr* 24:501-5, Jun 64  
Insulin response to glucose loading in acromegaly. Cerasi E, et al. *Lancet* 2:769-71, 10 Oct 64

ACRYLIC RESINS

An experimental evaluation of the effect of a plastic adhesive, methyl 2-cyanoacrylate, on neural tissue. Kilne DG, et al. *J Neurosurg* 20:647-54, Aug 63

ACTIONOMYCIN

Metabolism of nucleolar ribonucleic acid after partial hepatectomy. Tsukada K, et al. *J Biol Chem* 239:1564-8, May 64  
Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64  
Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al. *New Eng J Med* 271:1021-7, 12 Nov 64



## ACTINOMYCOSIS

Actinomycotic lesions in the chorio-allantoic membrane of the chick embryo. Pegrum GD. *J Path Bact* 88:323-7, Jul 64

## ACUTE RENAL FAILURE

Acute renal failure due to tubular necrosis, immediate prognosis and complications. Lunding M, et al. *Acta Med Scand* 176:103-19, Jul 64

Use of a modified minicoll for continuous dialysis. Ba kmore DJ, et al. *Brit Med J* 5413:847-50, 3 Oct 64

Haemodynamics and oxygen consumption of the kidney in post-ischaemic renal failure. Bálint P, et al. *Clin Sci* 28:471-7, Jun 64

Mineral analysis of the fourth lumbar vertebra in health and renal failure. Kaye M. *J Clin Invest* 43:1387-71, Jul 64

Experience with the minicoll artificial kidney. Jones ES, et al. *Lancet* 2:758-9, 3 Oct 64

Acute renal changes after oral cholecystography. Doherty P. *Lancet* 2:816, 10 Oct 64

Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schencker B. *Radiology* 83:12-21, Jul 64

Successful treatment of crush and amputation shock following prolonged periods of ischemia. Mehl RL, et al. *Surg Forum* 15:1-3, 1964

Direct and indirect measurement of renal blood flow in the pathophysiology of acute renal failure. Isla F, et al. *Surg Forum* 15:492-4, 1964

## ACYLTRANSFERASES

Studies on a cholinesterase of *Pseudomonas flu orescens*. 3. Acetyltransferase activity. Fitch WM. *J Biol Chem* 239:1328-34, May 64

## ADAMS-STOKES SYNDROME

Observations in patients with implanted pacemaker. 3. Frequency of ventricular tachycardia as cause of Adams-Stokes attacks and rate of pacing required for its prevention. Dressler W. *Amer Heart J* 68:19-24, Jul 64

## ADAPTATION, OCULAR

Determination of fixation in the dark-adapted eye by means of fundus photography. Siegel IM, et al. *Arch Ophthal* (Chicago) 72:870-1, Nov 64

## ADAPTATION, PHYSIOLOGICAL

Muscle excitability in experimental crossed nerve anastomosis in the rat. Koczoick-Przedpelska J. *Amer J Phys Med* 43:146-56, Aug 64

Electrocardiograms of marathon runners in 1962 Commonwealth games. Smith WG, et al. *Brit Heart J* 26:469-76, Jul 64

[Adaptation of the nomads of the Western Sahara to salt water. A scientific mission to Cape Yubi] Paque C. *Presse Med* 72:2417-20, 3 Oct 64 (Fr)

## ADAPTATION, PSYCHOLOGICAL

The mitotic life. *Brit J Ophthal* 48:354-6, Jul 64

The biology of aggression. Barnett SA. *Lancet* 2:803-7, 10 Oct 64

## ADENINE

Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA. *Cancer Res* 24:619-25, May 64

Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic systems in vitro. Woolfrey BF. *Lab Invest* 13:581-6, Jun 64

Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Bragonier JR, et al. *Proc Soc Exp Biol Med* 116:885-8, Jul 64

## ADENINE NUCLEOTIDES

Mechanism of platelet plug formation and role of adenosine diphosphate. Spaet TH, et al. *Amer J Physiol* 206:1267-74, Jun 64

Laevadosin for muscular dystrophy. Thomson WH. *Brit Med J* 5417:1135-6, 31 Oct 64

Nicotinamide adenine dinucleotide-specific isocitric dehydrogenase. A possible regulatory protein. Sanwal BD, et al. *J Biol Chem* 239:1597-603, May 64

Enzymes and drug sensitivity. Drug and enzyme interactions in porphyrias. Rimington C. *Proc Roy Soc Med* 57:511-4, Jun 64

Effect of Na<sup>+</sup> and K<sup>+</sup> on the adenylate kinase of human erythrocytes. Askari A, et al. *Proc Soc Exp Biol Med* 116:751-3, Jul 64

Protective effect of adenosine triphosphate in

experimental hemorrhagic shock. Sharma GP, et al. *Surg Forum* 15:27-9, 1964

## ADENOCARCINOMA

Survival rate in obstructing carcinoma of colon. Loeffler I, et al. *Arch Surg* (Chicago) 89:716-8, Oct 64

Malignant salivary gland tumours of the nasal sinuses and exophthalmos. Mortada A. *Brit J Ophthal* 47:279-84, May 63

Combination therapy with cyclophosphamide and zymosan on a spontaneous mammary cancer in mice. Martin DS, et al. *Cancer Res* 24:652-4, May 64

Pre-operative irradiation in the treatment of patients with carcinoma of the oesophagus and of some other sites. Nakayama K. *Clin Radiol* 15:232-41, Jul 64

Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. Hayata Y, et al. *Dis Chest* 46:61-60, Jul 64

Carcinoma of the thyroid in myxoedema. Sclare G, et al. *J Clin Path* 17:438-43, Jul 64

## ADENOCARCINOMA, PAPILLARY

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-8, Aug 64

## ADENOLYMPHOMA

The genesis of adenolymphoma. Azzopardi JG, et al. *J Path Bact* 88:213-8, Jul 64

## ADENOMA

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-8, Aug 64

Surgical consideration in the management of ulcerogenic tumors of the pancreas and duodenum. Oberhelman HA Jr, et al. *Amer J Surg* 108:132-41, Aug 64

Management of the parathyroid crisis. Henley RB. *Amer J Surg* 108:183-90, Aug 64

Some questions about adenomatous polyps. Ryan P. *Aust New Zeal J Surg* 34:59-61, Aug 64

Parathyroid scanning with selenium-75 labelled methionine. DiGiulino W, et al. *J Nucl Med* 5:417-27, Jun 64

[Differential diagnosis of tumors in the area of the sella turcica] Marguth F. *Deutsch Med Wochr* 89:1838-45, 25 Sep 64 (Ger)

## ADENOMA, CHROMOPHOBE

Angioid streaks in pituitary tumour. Wright JC. *Brit J Ophthal* 48:402-3, Jul 64

Results of surgical treatment of pituitary adenoma. The factor of the excessively enlarged sella. Svien HJ, et al. *J Neurosurg* 20:669-74, Aug 63

Relative diagnostic value of air study and angiography in suprasellar masses. Bakay L, et al. *J Neurosurg* 20:729-39, Sep 63

[Pregnancy after hypophysectomy and treatment with human pituitary gonadotropin] Bettendorf G, et al. *Deutsch Med Wochr* 89:1952-7, 9 Oct 64 (Ger)

## ADENOSINE TRIPHOSPHATASE

Histochemistry of hydrolytic and oxidative enzymes in experimental skin carcinoma of the mouse. Auerbach WM. *Cancer Res* 24:937-46, Jul 64

Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64

Influence of hypothermia and anoxia upon the biochemistry of heart muscle. Passanti GT, et al. *Surg Forum* 15:210-2, 1964

## ADENOSINE TRIPHOSPHATE

Laevadosin for muscular dystrophy. Thomson WH. *Brit Med J* 5417:1135-6, 31 Oct 64

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64

Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from *Mycobacterium tuberculosis*. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64

The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction. Zewe V, et al. *J Biol Chem* 239:1625-34, May 64

Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64

Effect of Na<sup>+</sup> and K<sup>+</sup> on the adenylate kinase of human erythrocytes. Askari A, et al. *Proc Soc Exp Biol Med* 116:751-3, Jul 64

Effects of adenosine triphosphate on ethionine-induced resorption. Schultz RL, et al. *Proc Soc Exp Biol Med* 116:273-5, Jun 64

Protective effect of adenosine triphosphate in

experimental hemorrhagic shock. Sharma GP, et al. *Surg Forum* 15:27-9, 1964

## ADENOVIRUS

Thermal and pH stability of adenovirus types 12, 14, and 18. Rafajko RR, et al. *Proc Soc Exp Biol Med* 116:683-5, Jul 64

## ADENOVIRUS INFECTIONS

Dosages of various trivalent and monovalent adenovirus vaccines in the prophylaxis of acute respiratory illness. Stille WT, et al. *Amer J Hyg* 80:121-34, Jul 64

Adenovirus infection as an aetiological factor in intussusception of infants and young children. Potter CW. *J Path Bact* 88:263-74, Jul 64

Carcinoma of bladder: cobalt therapy. Goodman GB, et al. *J Urol* 92:30-6, Jul 64

Characteristics of human adenovirus type 12 induced hamster tumor cells in tissue culture. Kitamura I, et al. *Proc Soc Exp Biol Med* 116:563-8, Jul 64

## ADHESIONS

Complications of the Noble procedure. Wilson ND. *Amer J Surg* 108:264-9, Aug 64

Conjunctival pockets. Ayoub S. *Brit J Ophthal* 47:126, Feb 63

## ADIPOSE TISSUE

Fatty acid composition of adipose tissue in normal and abnormal subjects. Herrernan AG. *Amer J Clin Nutr* 15:5-10, Jul 64

The body composition of obese subjects. Studies of the effect of weight loss on the fat and lean body mass. Christian JE, et al. *Amer J Clin Nutr* 15:20-8, Jul 64

Studies with cultured brown adipose tissue. II. Influence of low temperature on rabies virus infection in bat brown fat. Allen R, et al. *Amer J Hyg* 80:25-32, Jul 64

Studies with cultured brown adipose tissue. I. Persistence of rabies virus in bat brown fat. Allen R, et al. *Amer J Hyg* 80:11-24, Jul 64

Preservation of volatile anesthetics in blood and tissue. Lowe HJ. *Anesthesiology* 25:566-8, Jul-Aug 64

Influence of physical activity on a treadmill on the metabolism of adipose tissue in rats. Pafřková J, et al. *Brit J Nutr* 18:325-32, 1964

3-methylcholanthrene concentration and clearance in some adipose tissues in mice. Hoshino K, et al. *Cancer Res* 24:648-51, May 64

Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64

Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64

Effects of hypophysectomy and diet on lipogenesis in adipose tissue. Goodman HM. *Endocrinology* 75:140-2, Jul 64

Effect of exercise on free fatty acid levels in the pigeon. George JC, et al. *J Appl Physiol* 19:619-22, Jul 64

Effects of feeding frequency on metabolism, rate and efficiency of gain and on carcass quality of pigs. Friend DW, et al. *J Nutr* 83:251-8, Jul 64

Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. Goldman JK, et al. *Metabolism* 13:572-8, Jun 64

Effect of nicotinic acid on the fatty acid metabolism of adipose tissue in alloxan diabetic rats. Ostman J. *Metabolism* 13:675-80, Jul 64

Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity. Correa PR, et al. *Metabolism* 13:496-8, Jun 64

Effect of the insulin-inhibitory albumin fraction from normal and diabetic subjects on adipose tissue. Alp H, et al. *Metabolism* 13:609-19, Jul 64

Distribution of cesium-137 after chronic exposure in dogs and mice. Furchner JE, et al. *Proc Soc Exp Biol Med* 116:375-8, Jun 64

## ADJUVANTS, IMMUNOLOGIC

Observations on basophil degranulation as an indicator of antigen-antibody reaction. Friedlaender S, et al. *J Allerg* 35:361-70, Jul-Aug 64

New metabolizable immunologic adjuvant for human use. 1. Development and animal immune response. Woodhour AF, et al. *Proc Soc Exp Biol Med* 116:516-23, Jun 64

New metabolizable immunologic adjuvant for human use. 2. Short-term animal toxicity tests. Peck HM, et al. *Proc Soc Exp Biol Med* 116:523-30, Jun 64

## ADNEXA UTERI

The physiology of the human round ligament. Mahran M, et al. *J Obstet Gynaec Brit Comm* 71:374-8, Jun 64



## ADOLESCENCE

Obstetrics in adolescents: a controlled study of deliveries by mothers 15 years of age and under. Hulka JF, et al. *Obstet Gynec* 23:678-85, May 64

## ADOLESCENT PSYCHOLOGY

Suicide and suicidal attempts in children and adolescents. *Lancet* 2:847-8, 17 Oct 64

## ADOPTION

Adoptions. Ross RA. *New Eng J Med* 271:784-5, 8 Oct 64

## ADRENAL CORTEX

Conversion of progesterone-4-14C to 18-hydroxycorticosterone and aldosterone by mouse adrenals in vitro. Raman PB, et al. *Endocrinology* 74:865-9, Jun 64  
Influence of calcium ions and freezing upon the conversion of cholesterol-7-alpha-3H to corticosterone-3H by homogenate of rat adrenal. Hall PF, et al. *Endocrinology* 75:135-7, Jul 64  
Influence of body composition on adrenal function in obesity. Prezio JA, et al. *J Clin Endocr* 24:481-5, Jun 64  
Effect of brain removal in dogs previously subjected to pituitary stalk section. Wise BL, et al. *Proc Soc Exp Biol Med* 116:306-10, Jun 64  
Regulation of aldosterone secretion by an hepatic receptor. Orloff MJ, et al. *Surg Forum* 15:74-6, 1964

## ADRENAL CORTEX DISEASES

Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. *J Clin Endocr* 24:517-27, Jun 64

## ADRENAL CORTEX FUNCTION

### TESTS

Cushing's syndrome with atypical biochemical results. Harden RM, et al. *Acta Endocr (Copenhagen)* 46:256-64, Jun 64  
Suppression of corticosteroid production in the dog by monase. Tullner WW, et al. *Proc Soc Exp Biol Med* 116:837-40, Jul 64

## ADRENAL CORTEX HORMONES

Effect of exogenous precursors on etiocholanolone androsterone ratios in man. Kirschner MA, et al. *Acta Endocr (Copenhagen)* 46:207-16, Jun 64  
Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al. *Acta Endocr (Copenhagen)* 47:Suppl 93:3-27, 1964  
Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation of some of the esters. Agarwal KN, et al. *Acta Endocr (Copenhagen)* 47:Suppl 93:37-52, 1964  
Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN. *Amer J Path* 44:973-81, Jun 64  
Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al. *Arch Derm (Chicago)* 90:377-86, Oct 64  
Mycotic corneal ulcers. Agarwal LP, et al. *Brit J Ophthalmol* 47:109-15, Feb 63  
Conversion of progesterone-4-14C to 18-hydroxycorticosterone and aldosterone by mouse adrenals in vitro. Raman PB, et al. *Endocrinology* 74:865-9, Jun 64  
Clinical onset of lupus erythematosus in the older age group. Joseph RR, et al. *J Amer Geriatr Soc* 12:787-99, Aug 64  
Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. *J Clin Endocr* 24:517-27, Jun 64  
Clinical, morphological and biochemical studies on a malignant testicular tumor. Engel FL, et al. *J Clin Endocr* 24:528-42, Jun 64  
Facial palsy in Heerfordt's syndrome. Lambert V, et al. *J Laryng* 78:684-93, Jul 64  
The effect of various anti-inflammatory drugs on the accumulation of leucocytes in the peritoneal cavity of mice. Northover BJ. *J Path Bact* 88:332-5, Jul 64  
Steroids and spontaneous tendon rupture. Sylbert P. *JAMA* 190:475, 2 Nov 64  
Androgens in human breast cancer. Bulbrook RD, et al. *Proc Roy Soc Med* 57:523-5, Jun 64  
Varieties of adrenal hyperplasia in children. Barratt TM, et al. *Proc Roy Soc Med* 57:527-9, Jun 64  
The combination of anabolic steroids and corticosteroids in the treatment of rheumatoid arthritis. Beatty DC, et al. *Proc Roy Soc Med* 57:671-2, Aug 64  
Bioassay of adrenocorticosteroids by the dog eosinophil response. Tonelli G, et al. *Proc Soc Exp Biol Med* 116:501-6, Jun 64

## ADRENAL CORTEX

### HYPERFUNCTION

"Virilizing" adrenal hyperplasia in an elderly man; association with chronic fatigue and fever. Gilboa Y, et al. *Arch Intern Med (Chicago)* 114:475-81, Oct 64  
Characterization by immunofluorescence of an ACTH-like substance in nonpituitary tumors from patients with hyperadrenocorticism. Jarett L, et al. *J Clin Endocr* 24:543-9, Jun 64  
Varieties of adrenal hyperplasia in children. Barratt TM, et al. *Proc Roy Soc Med* 57:527-9, Jun 64

## ADRENAL CORTEX HYPOFUNCTION

The response of plasma human growth hormone to insulin and ethanol-induced hypoglycemia in two patients with "isolated adrenocorticotrophic defect". Arky RA, et al. *Metabolism* 13:547-50, Jun 64  
The aetiology of malaria. Loewenthal LJ, et al. *S Afr Med J* 38:613-5, 15 Aug 64

## ADRENAL CORTEX NEOPLASMS

Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Yokoro K, et al. *Cancer Res* 24:683-8, May 64  
Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64  
Suppression of plasma renin activity in primary aldosteronism. Distinguishing primary from secondary aldosteronism in hypertensive disease. Conn JW, et al. *JAMA* 190:213-21, 19 Sep 64

## ADRENAL GLAND DISEASES

"Virilizing" adrenal hyperplasia in an elderly man; association with chronic fatigue and fever. Gilboa Y, et al. *Arch Intern Med (Chicago)* 114:475-81, Oct 64  
Nutritional studies with the guinea pigs. XI. Pyridoxine. Reid ME. *Proc Soc Exp Biol Med* 116:289-90, Jun 64

## ADRENAL GLAND NEOPLASMS

Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Yokoro K, et al. *Cancer Res* 24:683-8, May 64

## ADRENAL GLANDS

The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. *Amer J Path* 44:921-30, Jun 64  
Effects of rhinencephalic lesions on endocrine and somatic development in the rat. Kling A. *Amer J Physiol* 206:1395-400, Jun 64  
Effect of ACTH on total adrenal cholesterol in bursectomized chicks. Sato K, et al. *Amer J Physiol* 207:47-9, Jul 64  
A proposed differentiated neuro-effector organization in muscle resistance vessels. Folkow B, et al. *Angiologia (Basel)* 1:197-208, 1964  
Microangiographic visualization of blood distribution in intact and regenerated rat adrenals before and during cold stress. Kolthoff NJ, et al. *Angiology* 15:344-9, Aug 64  
The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al. *J Path Bact* 88:291-301, Jul 64  
The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. Burack WR, et al. *J Pharmacol Exp Ther* 144:66-75, Apr 64  
Metabolism of thyroglobulin-I-131 in the guinea pig in vivo and in vitro. Gilboa Y, et al. *Metabolism* 13:661-8, Jul 64  
Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64

## ADRENAL MEDULLA

DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al. *Proc Soc Exp Biol Med* 116:705-12, Jul 64  
Immunological sympathectomy and CCl-4 hepatotoxicity. Larson RE, et al. *Proc Soc Exp Biol Med* 116:557-60, Jul 64

## ADRENALECTOMY

Cushing's syndrome with atypical biochemical results. Harden RM, et al. *Acta Endocr (Copenhagen)* 46:256-64, Jun 64  
Effect of total adrenalectomy on gastric secretion in chronic gastric fistula rats. Barlow SP, et al. *Amer J Physiol* 206:1309-14, Jun 64  
Effect of aldosterone and cortisol on sodium and water content of the rat kidney. Kessler E, et al. *Amer J Physiol* 207:109-12, Jul 64

Corticosteroid action on the fetal thymus and spleen. Angervall L, et al. *Endocrinology* 74:986-9, Jun 64  
Effects of cortisol on the metabolism of glucose by lymphoid tissue. Blecher M. *J Biol Chem* 239:1299-300, May 64  
The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al. *J Path Bact* 88:291-301, Jul 64  
The modification of digitals intoxication by excluding adrenergic influences on the heart. Erilj D, et al. *J Pharmacol Exp Ther* 144:97-103, Apr 64  
Androgens in human breast cancer. Bulbrook RD, et al. *Proc Roy Soc Med* 57:523-5, Jun 64  
Seven-year survival after bilateral adrenalectomy and oophorectomy for carcinomatosis. Taylor H. *Proc Roy Soc Med* 57:676-8, Aug 64  
Urea cycle adaptations in intact and adrenalectomized rats. Freedland RA. *Proc Soc Exp Biol Med* 116:692-6, Jul 64  
Influence of the adrenal glands upon fracture healing. Greenburg F, et al. *Surg Forum* 15:445-6, 1964  
Effect of cyclophosphamide in the adrenalectomized animal. Tipton JB. *Surg Forum* 15:344-6, 1964

## ADRENOGENITAL SYNDROME

"Virilizing" adrenal hyperplasia in an elderly man; association with chronic fatigue and fever. Gilboa Y, et al. *Arch Intern Med (Chicago)* 114:475-81, Oct 64

## AEROBACTER AEROGENES

Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al. *J Clin Path* 17:461-5, Jul 64

## AEROSOLS

Production of submicronic powder by spray-freezing. Werly EF, et al. *Arch Environ Health (Chicago)* 9:567-71, Nov 64  
Controlled study of a new inhalant in asthma and bronchitis. el-Shaboury AH. *Brit Med J* 5416:1037-40, 24 Oct 64  
Propylene glycol aerosolization and the diagnosis of pulmonary histoplasmosis. Singh MD, et al. *Dis Chest* 46:82-6, Jul 64

## AFIBRINOGENEMIA

Mallory-Weiss syndrome and hypofibrinogenemia. Complication during surgery. Goodman JM. *JAMA* 190:72-3, 5 Oct 64  
[Fatal accident after an intravenous injection of congo red]. Horstensmeyer O. *Deutsch Med Wschr* 89:1845-8, 25 Sep 64 (Ger)

## AGAMMAGLOBULINEMIA

Primary "acquired" hypogammaglobulinemia; clinical and genetic aspects of nine cases. Wollheim FA, et al. *Acta Med Scand* 176:1-16, Jul 64  
Failure of lymphocytes from hypogammaglobulinaemic subjects to transform in culture. Elves MW, et al. *Brit Med J* 5416:1051-2, 24 Oct 64  
Amyloidosis secondary to agammaglobulinemia. Tellum G. *J Path Bact* 88:317-20, Jul 64  
Immunoglobulins. Deficiencies of immunoglobulins. Squire JR. *Proc Roy Soc Med* 57:749-52, Aug 64  
Experimental lymphocytopenia and hypogammaglobulinemia production. Absolon KB, et al. *Surg Forum* 15:149-50, 1964

## AGGLUTINATION

Evaluation of immunofluorescent and direct agglutination methods for detection of specific toxoplasma antibodies. Fulton JD, et al. *Brit Med J* 5418:1173-5, 7 Nov 64

## AGGRESSION

The biology of aggression. Barnett SA. *Lancet* 2:803-7, 10 Oct 64

## AGING

Electromyographic study of aging in skeletal muscle. Carlson KE, et al. *Amer J Phys Med* 43:141-5, Aug 64  
Mechanical properties of the collagenous framework of skin in rats of different ages. Fry P, et al. *Amer J Physiol* 206:1425-9, Jun 64  
Experimental larynx: apparent antithesis of aging in connective tissue. Bickley H. *J Amer Geriatr Soc* 12:717-30, Aug 64  
Chemical mechanisms underlying the biological mechanisms of the aging process. Bjorksten J, et al. *J Amer Geriatr Soc* 12:627-31, Jul 64  
X-irradiation induced acute brain damage as a function of age. Diller DA, et al. *J Neuropath Exp Neurol* 23:446-56, Jul 64  
Chromium, lead, cadmium, nickel and titanium in mice:



effect on mortality, tumors and tissue levels. Schroeder HA, et al. *J Nutr* 83:239-50, Jul 64

The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al. *J Path Bact* 88:291-301, Jul 64

Old age in Western society. I. Bower HM. *Med J Aust* 2:285-92 contd, 22 Aug 64

Old age in Western society. II. Bower HM. *Med J Aust* 2:325-32 concl, 29 Aug 64

The radiological spectrum of aging and emphysematous lungs. Mori PA, et al. *Radiology* 83:48-57, Jul 64

## AGRANULOCYTOSIS

Absence of neutrophils. *Brit Med J* 5414:892, 10 Oct 64

## AGRICULTURAL WORKERS' DISEASES

Organic phosphorus poisoning and therapy. Molphy R, et al. *Med J Aust* 2:337-40, 29 Aug 64

## AGRICULTURE

Poul ation explosion—the challenge before agriculture. Hulme SA. *S Afr Med J* 38:623-5, 22 Aug 64

Agricultural systems and food patterns. McMartin A. *S Afr Med J* 38:625-8, 22 Aug 64

Meat production in South Africa. Hirzel R. *S Afr Med J* 38:629-31, 22 Aug 64

The production of food to supplement natural foods in the Bantu areas. Murray JS. *S Afr Med J* 38:628-9, 22 Aug 64

## AIR MICROBIOLOGY

Infection of white swiss mice with airborne *Cryptococcus neoformans*. Smith CD, et al. *J Bact* 87:1364-8, Jun 64

## AIR POLLUTION

Air pollution and disease. Ferris BG Jr, et al. *Anesthesiology* 25:470-8, Jul-Aug 64

Relation of air pollution to disease. Spicer WS Jr. *Arch Environ Health (Chicago)* 9:600-5, Nov 64

Community control of air pollution. Potentials and limits. Griswold SS. *Arch Environ Health (Chicago)* 9:606-8, Nov 64

The extent of human exposure to air pollution. MacKenzie VG. *Arch Environ Health (Chicago)* 9:596-9, Nov 64

Pesticides as contaminants. West I. *Arch Environ Health (Chicago)* 9:626-33, Nov 64

Threshold limit values for 1964. *Arch Environ Health (Chicago)* 9:545-54, Oct 64

Observations on air pollution aspects of Irazd Volcano, Costa Rica. Horton RJ, et al. *Public Health Rep* 79:925-9, Oct 64

AMA congress on environmental health problems. *Public Health Rep* 79:889-94, Oct 64

## AIR POLLUTION, RADIOACTIVE

AMA congress on environmental health problems. *Public Health Rep* 79:889-94, Oct 64

## ALANINE

Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagie SR, et al. *J Biol Chem* 239:1289-91, May 64

Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64

## ALANINE AMINOTRANSFERASE

Automated determination of serum glutamic oxalacetic and glutamic pyruvic transaminase. Schaffert RR, et al. *Clin Chem* 10:519-32, Jun 64

## ALBINISM

Lower animals, spontaneous disease, and man. Leader RW. *Arch Path (Chicago)* 78:390-404, Oct 64

## ALBUMINS

Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. Horn MJ, et al. *J Nutr* 83:267-72, Jul 64

Protein components of oviduct fluid in the primate. Marcus SL. *Surg Forum* 15:381-3, 1964

## ALBUMINURIA

Nephropathy in essential familial hyperlipaemia. Khachadurian AK, et al. *Lancet* 2:911-2, 24 Oct 64

## ALCOHOL, ETHYL

Alcohol hypoglycemia. Effects of ethanol on plasma. 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? Arky RA, et al. *Arch Intern Med (Chicago)* 114:501-7, Oct 64

Gas chromatographic determination of lower alcohols in biologic samples. Lyons H, et al. *Clin Chem* 10:429-32, May 64

Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. Schapiro RH, et al. *J Clin Invest* 43:1338-47, Jul 64

Dialyzable poisons: in vitro efficacy of a modified Skeggs-Leonards hemodialyzer with a comparison to clinical results. Wieth JO, et al. *J Lab Clin Med* 64:60-71, Jul 64

Effects of amphetamine, chlorpromazine, pentobarbital, and ethanol on operant response duration. Weiss B, et al. *J Pharmacol Exp Ther* 144:17-23, Apr 64

The response of plasma human growth hormone to insulin and ethanol-induced hypoglycemia in two patients with "isolated adrenocorticotrophic defect". Arky RA, et al. *Metabolism* 13:547-50, Jun 64

Gastric freezing by alcohol perfusion. Sulman D, et al. *Surg Forum* 15:325-7, 1964

## ALCOHOL, METHYL

Gas chromatographic determination of lower alcohols in biologic samples. Lyons H, et al. *Clin Chem* 10:429-32, May 64

Dialyzable poisons: in vitro efficacy of a modified Skeggs-Leonards hemodialyzer with a comparison to clinical results. Wieth JO, et al. *J Lab Clin Med* 64:60-71, Jul 64

## ALCOHOL OXIDOREDUCTASES

Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64

Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64

## ALCOHOL, PROPYL

Gas chromatographic determination of lower alcohols in biologic samples. Lyons H, et al. *Clin Chem* 10:429-32, May 64

## ALCOHOLIC INTOXICATION

Specificity of breath-alcohol analyses. Dubowski KM. *JAMA* 189:1039, 28 Sep 64

Hypoglycaemic coma and hyperkalaemic acidosis due to alcohol intoxication. Vinke B. *Trop Geogr Med* 18:115-9, Jun 64

## ALCOHOLISM

Physicians' attitudes toward alcoholic patients. Mendelson JH, et al. *Arch Gen Psychiat (Chicago)* 11:392-9, Oct 64

Alcoholism. Nixon JW, et al. *Brit J Clin Pract* 18:383-5, Jul 64

Effect of tolbutamide in clearing induced alimentary lipaemia after alcoholic hepatopancreatic damage. Gebbie T, et al. *Lancet* 2:661-3, 20 Sep 64

Tuberculosis among seamen. Jacobs S, et al. *Public Health Rep* 79:933-6, Oct 64

## ALCOHOLS

Studies on a cholinesterase of *Pseudomonas fluorescens*. 3. Acetyltransferase activity. Fitch WM. *J Biol Chem* 239:1328-34, May 64

Psychosis and convulsions following withdrawal from ethylchlorvynol. Blumenthal MD, et al. *JAMA* 190:154-5, 12 Oct 64

## ALDEHYDE-LYASES

Purification and properties of rat liver 2-keto-4-hydroxyglutarate aldolase. Maitra U, et al. *J Biol Chem* 239:1485-91, May 64

## ALDEHYDES

Studies on the determination of bile pigments. VI. Urobilinogen in urine as urobilinogen-aldehyde. Henry RJ, et al. *Clin Chem* 10:440-8, May 64

Present status of the ehrlich Aldehyde reaction for urinary porphobilinogen. Watson CJ, et al. *JAMA* 190:501-4, 9 Nov 64

## ALDOSTERONE

Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation

of some of the esters. Agarwal KN, et al. *Acta Endocr (Kobenhavn)* 47:Suppl 93:37-52, 1964

Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al. *Acta Endocr (Kobenhavn)* 47:Suppl 93:3-27, 1964

An electrophoretic study of human erythrocytes, incubated with corticosteroids and sulphydryl reaction substances. Agarwal KN, et al. *Acta Endocr (Kobenhavn)* 47:Suppl 93:53-8, 1964

Control of aldosterone secretion by change of body potassium in normal man. Gann DS, et al. *Amer J Physiol* 207:104-8, Jul 64

Effect of aldosterone and cortisol on sodium and water content of the rat kidney. Kessler E, et al. *Amer J Physiol* 207:109-12, Jul 64

Effects of two mineralocorticoids on ocular tension. Frenkel M, et al. *Arch Ophthal (Chicago)* 72:315-8, Sep 64

Two important frontiers in renal physiology. Davis JO. *Circulation* 30:1-6, Jul 64

The action of aldosterone and ouabain on the sodium and potassium content of the cortex and papilla of rat kidney in vitro. Platts MM. *Clin Sci* 26:405-14, Jun 64

Renal response of propylthiouracil-treated rats to injected mineralocorticoids. Taylor RE Jr, et al. *Endocrinology* 75:33-41, Jul 64

Differential responsiveness to hormones of C3H and A mouse mammary tissues in organ culture. Rivera EM. *Endocrinology* 74:853-64, Jun 64

Conversion of progesterone-4-14C to 18-hydroxycorticosterone and aldosterone by mouse adrenals in vitro. Raman PB, et al. *Endocrinology* 74:865-9, Jun 64

d-Aldosterone and sweat electrolytes. McConahay TP, et al. *J Appl Physiol* 19:575-9, Jul 64

Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. *J Clin Endocr* 24:517-27, Jun 64

Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. Urquhart J, et al. *J Clin Invest* 43:1355-66, Jul 64

Effects of aldosterone, ouabain and deoxycorticosterone on oxygen uptake of isolated cardiac muscle. Levy JV, et al. *J Pharmacol Exp Ther* 144:104-9, Apr 64

Interchangeability of adrenocortical hormones in initiating mammary secretion in vitro. Rivera EM. *Proc Soc Exp Biol Med* 116:568-72, Jul 64

Regulation of aldosterone secretion by an hepatic receptor. Orloff MJ, et al. *Surg Forum* 15:74-8, 1964

## ALDOSTERONE ANTAGONISTS

Some biological properties of synthetic 18-hydroxytestosterone. Kagawa CM, et al. *Endocrinology* 74:999-1000, Jun 64

The effects of metopirone on glucose metabolism. Liguori G, et al. *Metabolism* 13:499-506, Jun 64

The choice of hypotensive agents. Palmer KN. *Practitioner* 193:43-9, Jul 64

## ALGINATES

Lipolytic, pectolytic, and alginolytic activities of *Enterobacteriaceae*. Davis BR, et al. *J Bact* 88:16-9, Jul 64

## ALKALINE PHOSPHATASE

Paper chromatographic studies of the three serum bile pigments. Polittle LL, et al. *Amer J Clin Path* 42:22-32, Jul 64

Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. Rubini JR, et al. *Cancer Res* 24:655-61, May 64

Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64

Variations in the enzyme histochemistry of the placenta. Curzen P. *J Obstet Gynaec Brit Comm* 71:388-99, Jun 64

Experimental hydronephrosis: morphologic and enzymatic studies on renal tubules in ureteric obstruction and recovery in the rat. 1. Alkaline and acid phosphatases. Kissane JM, et al. *Lab Invest* 13:539-46, Jun 64

## ALKALOIDS

[Present status of the treatment of Parkinson's disease] Auquier L, et al. *Presse Med* 72:2531-4, 17 Oct 64 (Fr)

## ALKALOSIS

The relation between hypotassaemia and alkalosis during administration of polythiazide and chlorthalidone. Rooth G, et al. *Acta Med Scand* 178:51-7, Jul 64

Stop-flow analysis of the influence of pCO<sub>2</sub> on renal tubular transport of K and H. Ramsay AG. *Amer J Physiol* 206:1355-60, Jun 64



CNS disorder during mechanical ventilation in chronic pulmonary disease. Rotheram EB Jr, et al. *JAMA* 189:993-6, 28 Sep 64  
Metabolic alkalosis in pyloric stenosis. Stroder J, et al. *Lancet* 2:914-5, 24 Oct 64  
The physiological diagnosis of acid-base disturbances of blood. Flink BR. *Proc Roy Soc Med* 57:693-6, Aug 64  
Measurement of intracellular hydrogen ion concentration in patients. Grantham JJ, et al. *Surg Forum* 15:81-2, 1964

## ALKAPTONURIA

Ochronosis with ruptured lumbar disc: case report. Feld JR, et al. *J Neurosurg* 20:348-51, Apr 63

## ALLERGY

Allergic response of retinal vessel 6. After intravitreal foreign protein. Mutlu F, et al. *Arch Ophthalmol (Chicago)* 72:513-20, Oct 64  
Coats's disease. 3. Experimental study of the effect of sterile uveal inflammation on rabbits with an induced hyperlipaemia. Woods AC, et al. *Brit J Ophthalmol* 48:330-40, Jun 64  
Observations on basophil degranulation as an indicator of antigen-antibody reaction. Friedlaender S, et al. *J Allerg* 35:361-70, Jul-Aug 64  
The reagin-allergen reaction in the skin without concomitant wheal and flare. Richter M, et al. *J Allerg* 35:356-60, Jul-Aug 64  
The relationship of gamma-1A globulin and reagin in cord sera. Allansmith M, et al. *J Allerg* 35:339-45, Jul-Aug 64  
The sedimentation properties of the skin-sensitizing antibodies of ragweed-sensitive patients. Andersen BR, et al. *J Exp Med* 120:31-43, 1 Jul 64  
Byssinosis: antibody to cotton antigens in normal subjects and in cotton card-room workers. Massoud A, et al. *Lancet* 2:607-10, 19 Sep 64  
Conditions of reactivation of arthus-type inflammation by thiol compounds. Hayashi H, et al. *Proc Soc Exp Biol Med* 116:417-20, Jun 64  
[On possibilities of sensitization by foreign bodies in the mouth] Spreng MA. *Int Arch Allerg* 24:Suppl:15-20, 1964 (Ger)

## ALLOXAN DIABETES

Histochemistry of the retina in the alloxan-diabetic rat. Newell FW, et al. *Brit J Ophthalmol* 47:596-600, Oct 63  
Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagie SR, et al. *J Biol Chem* 239:1289-91, May 64  
Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64  
Reduction of serum lipids following portacaval transposition in diabetic dogs. Waddell WR, et al. *Metabolism* 13:562-71, Jun 64  
Effect of nicotinic acid on the fatty acid metabolism of adipose tissue in alloxan diabetic rats. Ostman J. *Metabolism* 13:875-80, Jul 64  
Effect of diabetes on experimental infection. Krizek TJ, et al. *Surg Forum* 15:60-1, 1964

## ALOPECIA

Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al. *Arch Derm (Chicago)* 90:377-86, Oct 64

## ALOPECIA AREATA

Alopecia areata: an apparent relationship to psychic factors. Sandok BA. *Amer J Psychiat* 121:184-5, Aug 64

## ALPHA GLOBULIN

Detection of a prealbumin in sera of children following extensive burns. Lytle RI, et al. *J Lab Clin Med* 64:117-24, Jul 64  
Serum proteins in myasthenia gravis. Kornfeld P. *JAMA* 190:463, 2 Nov 64  
Protein bound human growth hormone. Collipp PJ, et al. *Metabolism* 13:532-8, Jun 64  
Flocculation of unsensitized bentonite particles by cancer serum. Oliver-González J, et al. *Proc Soc Exp Biol Med* 116:409-11, Jun 64  
Changes in plasma proteins after portacaval shunt in the rat. Kennan AL. *Proc Soc Exp Biol Med* 116:543-4, Jun 64  
Synthesis of plasma protein fractions in burned patients. Kukral JC, et al. *Surg Forum* 15:43-5, 1964  
Protein components of oviduct fluid in the primate. Marcus SL. *Surg Forum* 15:381-3, 1964

## ALTITUDE

Transient arterial lactic acid changes in unanesthetized

dogs at 21,000 feet. Cain SM, et al. *Amer J Physiol* 208:1437-40, Jun 64  
High altitude physiology in relation to anesthesia and inhalation therapy. Safar P, et al. *Anesthesiology* 25:515-31, Jul-Aug 64  
Humoral control of erythropoietic activity in man during and after altitude exposure. Reynafarje C, et al. *Proc Soc Exp Biol Med* 116:649-50, Jul 64

## ALUMINUM SILICATES

[A serological method of diagnosis of toxoplasmosis: agglutination of sensitized bentonite particles] Garin JP, et al. *Presse Med* 72:2317-20, 26 Sep 64 (Fr)

## AMAUROTIC FAMILIAL IDIOCY

Retinal neuropathology of late infantile amaurotic idioy. Wolter JR, et al. *Brit J Ophthalmol* 48:277-84, May 64  
Carnosine excretion in juvenile amaurotic idioy. Levenson J, et al. *Lancet* 2:756-7, 3 Oct 64

## AMBLYOPIA

Quinine amblyopia. Bard LA, et al. *Arch Ophthalmol (Chicago)* 72:328-31, Sep 64  
Visual acuity thresholds in amblyopes. Saiduzzafar H, et al. *Brit J Ophthalmol* 47:153-63, Mar 63  
Quinine amblyopia treated by stellate ganglion block. McLenachan J. *Brit J Ophthalmol* 47:62-3, Jan 63  
Vector-electro-oculography and its clinical application. Two-dimensional recording of eye movements. Uenoyama K, et al. *Brit J Ophthalmol* 48:318-29, Jun 64  
Optic neuritis, papillitis, and neuronal retinopathy. Behrman S. *Brit J Ophthalmol* 48:209-17, Apr 64

## AMEBIASIS

Roentgenographic appearances in hepatopulmonary amebiasis. Menon NK. *Dis Chest* 46:219-22, Aug 64  
Cerebral amebiasis: report of 17 cases. Lombardo L, et al. *J Neurosurg* 21:704-9, Aug 64

## AMELOBLASTOMA

A fatal case of ameloblastoma (adamantinoma). Ramon Y, et al. *Brit J Plast Surg* 17:320-4, Jul 64

## AMENORRHEA

Diagnostic ovarian stimulation with heterologous gonadotrophin. Shearman RP. *Brit Med J* 5417:1115-6, 31 Oct 64  
Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. Crooke AC, et al. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64

## AMIDES

The characterization of modified human hemoglobin. I. Reaction with iodoacetamide and N-ethylmaleimide. Guidotti G, et al. *J Biol Chem* 239:1474-84, May 64

## AMIDOHYDROLASES

Pancreatitis in the isolated perfused pancreas. Greep JM, et al. *Surg Forum* 15:88-9, 1964

## AMINES

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64  
Dependency of Treponema microdentium on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. Socransky SS, et al. *J Bact* 88:200-9, Jul 64  
Effect of polyamine structure on growth stimulation and spermine and spermidine content of lactic acid bacteria. Guirard BM, et al. *J Bact* 88:72-80, Jul 64  
Dependency of Treponema microdentium on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. Socransky SS, et al. *J Bact* 88:200-9, Jul 64  
Effect of polyamine structure on growth stimulation and spermine and spermidine content of lactic acid bacteria. Guirard BM, et al. *J Bact* 88:72-80, Jul 64

## AMINO ACID METABOLISM

Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. Kochakian CD. *Acta Endocr (Copenhagen)* 46:Suppl 92:1-16, 1964  
Incorporation of L-lysine-U-C14 into proteins of

cryptorchid testis slices. Davis JR, et al. *Amer J Physiol* 207:50-4, Jul 64  
Studies on tyrosinosis: 1, effect of low-tyrosine and low-phenylalanine diet. Halvorsen S, et al. *Brit Med J* 5418:1171-3, 7 Nov 64  
Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64  
Inhibition of amino acid incorporation into protein of Yoshida ascites hepatoma cells by glyceraldehyde. Guidotti GG, et al. *Cancer Res* 24:900-5, Jun 64  
Release of nitrogenous substances by brewer's yeast. 3. Shock excretion of amino acids. Lewis MJ, et al. *J Bact* 87:1389-96, Jun 64  
Amino acid accumulation in ethionine-resistant Saccharomyces cerevisiae. Sorsoll WA, et al. *J Bact* 88:20-4, Jul 64  
Release of nitrogenous substances by brewer's yeast. 3. Shock excretion of amino acids. Lewis MJ, et al. *J Bact* 87:1389-96, Jun 64  
Biosynthesis of methionine in Saccharomyces cerevisiae. Partial purification and properties of s-adenosylmethionine: homocysteine methyltransferase. Shapiro SK, et al. *J Biol Chem* 239:1551-6, May 64  
Regulation of the free amino acids of skin by hydrocortisone. Ryan WL. *J Invest Derm* 43:121-3, Aug 64  
Phenylalanine requirements with different levels of tyrosine. Burrill LM, et al. *J Nutr* 83:202-8, Jul 64  
Effect of protein intake on the ribonucleic acid of liver cell sap. Munro HN, et al. *J Nutr* 83:186-92, Jul 64  
S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64  
Amino acid transport by rat parathyroid glands in vivo: effect of low calcium diet. Williams GA, et al. *Proc Soc Exp Biol Med* 116:651-3, Jul 64  
Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64

## AMINO ACID METABOLISM, INBORN ERRORS

The metabolism of histidine. VI. Histidinemia and imidazolepyruvic aciduria. Baldrige RC, et al. *J Biol Chem* 239:1587-9, May 64  
Argininosuccinic aciduria in monilethrix. Grosfeld JC, et al. *Lancet* 2:789-91, 10 Oct 64  
[Idiopathic hyperglycinemia (glycinosis)] Schreier K, et al. *Deutsch Med Wschr* 89:1739-43, 11 Sep 64 (Ger)

## AMINO ACIDS

A microbiological method for assessing the nutritional value of proteins. 3. Further studies on the measurement of available amino acids. Ford JE. *Brit J Nutr* 18:449-60, 1964  
The mechanism of the specificity of trypsin catalysis. 3. Activation of the catalytic site of trypsin by alkylammonium ions in the hydrolysis of acetyl glycine ethyl ester. Inagami T, et al. *J Biol Chem* 239:1395-401, May 64  
The mechanism of the specificity of trypsin catalysis. II. Comparison of trypsin and alpha-chymotrypsin in the nonspecific catalyses of the hydrolysis of acetyl glycine ethyl ester. Inagami T, et al. *J Biol Chem* 239:1388-94, May 64  
Synthesis of 4-oxonorleucine and comparison with an amino acid isolated from Citrobacter freundii. Barry GT, et al. *J Biol Chem* 239:1541-4, May 64  
Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. Horn MJ, et al. *J Nutr* 83:267-72, Jul 64  
Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. Smith RB 3d, et al. *Surg Forum* 15:98-9, 1964  
Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. Schurer W, et al. *Surg Forum* 15:76-8, 1964  
The significance of leaf vegetables, especially of cassava, in tropical nutrition. Terra GJ. *Trop Geogr Med* 16:97-108, Jun 64

## AMINOACID OXIDOREDUCTASES

Proline oxidases in Hansenula subpelliculosa. Ling CM, et al. *J Bact* 87:1462-70, Jun 64

## AMINOACIDURIA, RENAL

Studies on tyrosinosis: 1, effect of low-tyrosine and low-phenylalanine diet. Halvorsen S, et al. *Brit Med J* 5418:1171-3, 7 Nov 64  
Pathological findings in homocystinuria. Gibson JB, et al. *J Clin Path* 17:427-37, Jul 64  
Evaluation of the amino acid excretion pattern of mental retardates as a screening technique for inborn errors of metabolism. Stambaugh R, et al. *J Pediat* 65:301-3, Aug 64



## AMINO BENZOIC ACID

Efflux of organic acids from rabbit kidney cortex. Despopoulos A, et al. *Amer J Physiol* 207:118-22, Jul 64  
 Clinical onset of lupus erythematosus in the older age group. Joseph RR, et al. *J Amer Geriatr Soc* 12:787-90, Aug 64

## AMINOBUTYRIC ACID

Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al. *Amer J Physiol* 206:1201-6, Jun 64  
 Cholinergic mechanism in subcortical mirror focus and effects of topical application of gamma-aminobutyric acid and acetylcholine. Guerrero-Figueroa R, et al. *Epilepsia (Amst)* 5:140-55, Jun 64  
 Amino acid transport by rat parathyroid glands in vivo: effect of low calcium diet. Williams GA, et al. *Proc Soc Exp Biol Med* 116:651-3, Jul 64

## AMINOCAPROIC ACID

Activation of the blood fibrinolytic enzyme system by platelets. Reid WO, et al. *Amer J Physiol* 206:1255-61, Jun 64  
 Hepatic regulation of fibrinolysis—the liver as the source of inhibitor. Bono RF, et al. *Surg Forum* 15:94-5, 1964  
 Caproic acid analogues to prolong survival of skin homografts. Cramer LM, et al. *Surg Forum* 15:479-80, 1964

## AMINO HIPPURIC ACID

Mercaptomerin effect on p-aminohippurate transport in man and pentobarbitalized dog. Letteri JM, et al. *Amer J Physiol* 206:1379-83, Jun 64  
 Efflux of organic acids from rabbit kidney cortex. Despopoulos A, et al. *Amer J Physiol* 207:118-22, Jul 64  
 Correlation of renal clearance techniques in dogs: para-aminohippuric acid compared with radio-iodinated hippuran. Greenlaw RH, et al. *J Nucl Med* 5:453-61, Jun 64  
 Fluorometric microanalysis of plasma hippuric acid and comparison of hippurate with p-aminohippurate clearances in dogs. Elliott HC, et al. *Proc Soc Exp Biol Med* 116:268-70, Jun 64

## AMINOHYDROLASES

Changes in the adenylic acid deaminase activity of rat liver during carcinogenesis. Kizer DE, et al. *Cancer Res* 24:1050-5, Jul 64  
 Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. Bunag RD, et al. *Circ Res* 15:83-8, Jul 64

## AMINOPEPTIDASES

Aminopeptidase activity in myocardial infarction of man. A histochemical study. Monis B, et al. *Amer J Path* 44:867-76, Jun 64  
 Urine peptidase activity following single and multiple oral doses of streptokinase. Innerfield I, et al. *Proc Soc Exp Biol Med* 116:573-5, Jul 64  
 Serum aminopeptidase in pregnancy, hydatiform mole, and choriocarcinoma. Smith EE, et al. *Surg Forum* 15:391-2, 1964  
 [Histochemical enzyme studies on rat bone marrow] Ketels-Harken H. *Blut* 10:49-55, Mar 64 (Ger)

## AMINOPHYLLINE

Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al. *Amer J Physiol* 206:1201-6, Jun 64

## AMINOPYRINE

Shatzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. Antopol W, et al. *Arch Path (Chicago)* 78:313-24, Oct 64

## AMINOSALICYLIC ACID

Hemolytic anemia due to aminosalicilic acid. Anemia with methemoglobinemia. Munroe WD, et al. *Amer J Dis Child* 108:426-9, Oct 64  
 Alternating regimens of streptomycin-pyrazinamide, isoniazid-para-aminosalicylic acid at Battey State Hospital. Corpe RF, et al. *Amer Rev Resp Dis* 90:262-5, Aug 64  
 Diabetic retinopathy—a challenge. Mooney AJ. *Brit J Ophthalmol* 47:513-20, Sep 63  
 Fertility after chemotherapy in male patients with genital tuberculosis. Obrant KO, et al. *Fertil Steril* 15:440-9, Jul-Aug 64

## AMINOTRANSFERASES

Pyridoxamine-oxaloacetic transaminase of rat kidney. Wu HL, et al. *J Biol Chem* 239:1492-7, May 64

## AMITRIPTYLINE

Therapeutic efficacy of antidepressant drugs. A review. Cole JO. *JAMA* 190:448-55, 2 Nov 64  
 Toxicity of psychotropic drugs. Side-effects and toxic effects of antidepressants. Pare CM. *Proc Roy Soc Med* 57:757-8, Aug 64

## AMMONIA

A micropuncture evaluation of renal ammonia excretion in the rat. Hayes CP Jr, et al. *Amer J Physiol* 207:77-83, Jul 64  
 Rapid determination of plasma ammonia by an ion-exchange technic. Forman DT. *Clin Chem* 10:497-508, Jun 64  
 Ammonia metabolism and schistosomiasis. *New Eng J Med* 271:961-2, 29 Oct 64  
 Blood ammonia during bleeding from esophageal varices in patients with hepatosplenic schistosomiasis. Warren KS, et al. *New Eng J Med* 271:921-6, 29 Oct 64  
 Measurement of steroid-induced hepatic functional derangement with the ammonia tolerance test. Anderson MC, et al. *Surg Forum* 15:103-5, 1964  
 Hypothermic reduction of ammonia release into the circulation by the kidney. Keirle AM, et al. *Surg Forum* 15:102-3, 1964  
 The role of portal systemic shunting in experimental ammonia intoxication. Kirsh MM, et al. *Surg Forum* 15:100-1, 1964  
 Ammonia metabolism with variations in portal venous diversion. Foster JH, et al. *Surg Forum* 15:105-8, 1964  
 Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. Smith RB 3d, et al. *Surg Forum* 15:98-9, 1964

## AMMONIUM CHLORIDE

Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. Barzel US, et al. *J Urol* 92:1-5, Jul 64

## AMMONIUM COMPOUNDS

The mechanism of the specificity of trypsin catalysis. 3. Activation of the catalytic site of trypsin by alkylammonium ions in the hydrolysis of acetylglycine ethyl ester. Inagami T, et al. *J Biol Chem* 239:1395-401, May 64  
 Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. Barzel US, et al. *J Urol* 92:1-5, Jul 64  
 Poisonings and other health hazards associated with use of detergents. Arena JM. *JAMA* 190:56-8, 5 Oct 64

## AMNIOTIC FLUID

Transfer of water from maternal blood to amniotic fluid of live and dead fetuses in health and in some pathological conditions of the mother. A study with tritium-labelled water. Tervilä L. *Ann Chir Gynaec Fenn* 53:Suppl 131:1-69, 1964  
 Effect of intra-alveolar fluid on pulmonary surface tension properties. Johnson JW, et al. *J Appl Physiol* 19:769-77, Jul 64  
 Amniotic fluid analysis as an aid to the ante-partum diagnosis of haemolytic disease. Stewart AG, et al. *J Obstet Gynaec Brit Comm* 71:604-8, Aug 64  
 Spectrophotometric analysis of amniotic fluid in erythroblastosis fetalis. Lewis F, et al. *JAMA* 190:195-8, 19 Sep 64  
 [Our present practice of amniotic fluid puncture in the treatment of erythroblastosis caused by isoimmunization] Mayer M, et al. *Presse Med* 72:2369-72, 3 Oct 64 (Fr)

## AMOBARBITAL

Carnitine effects on palmitate-I.C-14 conversion to CO<sub>2</sub> and glycerides by various tissues. Fritz IB. *Amer J Physiol* 206:1217-22, Jun 64  
 Toxic epidermal necrolysis. Helfman RJ. *Southern Med J* 57:1365-8, Nov 64

## AMPHETAMINE

Effects of amphetamine, chlorpromazine, pentobarbital, and ethanol on operant response duration. Weiss B, et al. *J Pharmacol Exp Ther* 144:17-23, Apr 64  
 [Present status of the treatment of Parkinson's disease] Auquier L, et al. *Presse Med* 72:2531-4, 17 Oct 64 (Fr)

## AMPHIBIA

Field and laboratory studies on eastern encephalitis in warm- and cold-blooded vertebrates. Hayes RO, et al. *Amer J Trop Med* 13:595-606, Jul 64

## AMPHOTERICIN B

Hypokalemic paralysis induced by amphotericin B. McChesney JA, et al. *JAMA* 189:1029-31, 28 Sep 64

## AMPICILLIN

Ampicillin for typhoid carriers. Christie AB. *Brit Med J* 5413:876, 3 Oct 64  
 Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al. *J Clin Path* 17:461-5, Jul 64  
 Ampicillin in treatment of Salmonella typhi carriers and Brucella mellitensis septicaemia. Farid Z, et al. *Lancet* 2:763, 3 Oct 64

## AMPUTATION

Follow-up notes on articles previously published in the Journal. Cineplasty—ten years later. Brav EA, et al. *J Bone Joint Surg [Amer]* 46:1137-8, Jul 64  
 Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. Albright JA, et al. *JAMA* 190:548-50, 9 Nov 64  
 Amputations in the diabetic outcome and survival. Cameron HC, et al. *Lancet* 2:605-7, 19 Sep 64  
 Levels of amputation of fingers and hand—Considerations for treatment. Swanson AB. *Surg Clin N Amer* 44:1115-26, Aug 64  
 Successful treatment of crush and amputation shock following prolonged periods of ischemia. Mehl RL, et al. *Surg Forum* 15:1-3, 1964

## AMPUTEES

A statistical study of 12,000 new amputees. Glatly HW. *Southern Med J* 57:1373-8, Nov 64  
 [The pelvic gait] Ducroquet R, et al. *Presse Med* 72:2095-9, 29 Aug 64 (Fr)

## AMYGDALOID BODY

The significance of N. amygdalae in the genesis of electrical activity of the brain during recovery after prolonged circulatory arrest. Gurvitch AM. *Electroenceph Clin Neurophysiol* 16:549-60, Jun 64  
 Interamygdaloid propagation. Andy OJ, et al. *Surg Forum* 15:400-2, 1964

## AMYL NITRITE

The evaluation of sphincter of Oddi function. Sitnick JL, et al. *Surg Forum* 15:373-5, 1964

## AMYLASE

Effects of aspartate on growth and on the synthesis of alpha-amylase in *Pseudomonas saccharophila*. Eisenstadt JM, et al. *J Bact* 87:1355-63, Jun 64  
 Pancreatitis in the isolated perfused pancreas. Greep JM, et al. *Surg Forum* 15:88-9, 1964

## AMYLOID SUBSTANCE

Amyloid. II. Starch gel electrophoretic analysis of some proteins extracted from amyloid. Benditt EP, et al. *Arch Path (Chicago)* 78:325-30, Oct 64

## AMYLOIDOSIS

Amyloid. II. Starch gel electrophoretic analysis of some proteins extracted from amyloid. Benditt EP, et al. *Arch Path (Chicago)* 78:325-30, Oct 64  
 Amyloidosis in parabiotic mice. Williams G. *J Path Bact* 88:35-41, Jul 64  
 Amyloidosis: its differentiation into perireticulin and peri-collagen types. Heller H, et al. *J Path Bact* 88:15-34, Jul 64  
 Amyloidosis secondary to agammaglobulinaemia. Tellum G. *J Path Bact* 88:317-20, Jul 64  
 Localized amyloidosis (amyloid tumor) of the urethra. Ullmann AS, et al. *J Urol* 92:42-4, Jul 64  
 Masquerade graft technique for simultaneous reconstruction of upper and lower eyelids in patients with blastomycosis, amyloidosis or other chronic septic destructive lesions. Snyder GB, et al. *Plast Reconstr Surg* 34:163-8, Aug 64

## ANABOLIC STEROIDS

The combination of anabolic steroids and corticosteroids in the treatment of rheumatoid arthritis. Beatty DC, et al. *Proc Roy Soc Med* 57:671-2, Aug 64  
 [How to treat growth retardation] Royer P, et al. *Presse Med* 72:2161-4, 12 Sep 64 (Fr)  
 [Clinical evaluation of the proteo-anabolic activity of 1-methyl-delta androstenedione in patients with malignant neoplasms during actinotherapy] Pipino G. *Minerva Med* 55:2413-7, 18 Aug 64 (It)



ANALEPTICS

Monoventricular hypothermic perfusion. Cortical electric responses to analeptic agents. Costal M, et al. *J Neurosurg* 20:675-8, Aug 63

ANALGESICS AND ANTIPYRETICS

Shwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. Antopol W, et al. *Arch Path (Chicago)* 78:313-24, Oct 64

The use of mepergan for relief of pain in gynecologic tumor patients. Ullery JC, et al. *Curr Ther Res* 6:385-6, May 64

The analgesic efficacy and respiratory effects in man of a benzomorphan "narcotic antagonist". Lasagna L, et al. *J Pharmacol Exp Ther* 144:12-6, Apr 64

Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics. Martin WR, et al. *J Pharmacol Exp Ther* 144:8-11, Apr 64

Hepatocellular lipofuscin after excessive ingestion of analgesics. Abrahams C, et al. *Lancet* 2:621-2, 19 Sep 64

[Preliminary clinical trials of Ro 4-61-61 in gastroenterology and proctology] Pradel E. *Presse Med* 72:2113-4, 29 Aug 64 (Fr)

ANAPHYLAXIS

Electron microscopy of hypersensitivity reactions. Intravascular antigen-antibody precipitation in acute anaphylactic shock. Sabesin SM. *Amer J Path* 44:889-904, Jun 64

Anaphylactic reaction caused by intramuscular injection of lyophilized alpha-chymotrypsin. Watson PG. *Brit J Ophthalmol* 48:35-8, Jan 64

Simultaneous allergic (anaphylactic) and embolic-toxic reactions by accidental intravascular injection of procaine-penicillin. Hoigné R, et al. *Int Arch Allerg* 24:Suppl:48-9, 1964

Anaphylactic reactions in mice induced by Bordetella pertussis lipopolysaccharide. Malkiel S, et al. *J Allerg* 35:308-12, Jul-Aug 64

Methicillin tolerance after penicillin G anaphylaxis. Lutton EF. *JAMA* 190:39-40, 5 Oct 64

Identification of rabbit, monkey, and dog antibodies with PCA activity for guinea pigs. Ovary Z, et al. *Proc Soc Exp Biol Med* 116:840-5, Jul 64

Cutaneous anaphylactic reactions with antibodies of different qualities. Cochrane CG. *Proc Soc Exp Biol Med* 116:475-80, Jun 64

Influence of mercaptoethanol treatment on skin sensitizing and complement binding ability of 7 S anti-dinitrophenol-bovine gamma globulin antibody. Wiedermann G, et al. *Proc Soc Exp Biol Med* 116:448-52, Jun 64

Passive transfer of delayed hypersensitivity to purified proteins with a cell-free factor. Cleveland JC, et al. *Surg Forum* 15:128-30, 1964

[Mechanical aspects of ventilation in anaphylactic shock in rabbits] Troquet J. *Int Arch Allerg* 24:356-72, 1964 (Fr)

[Fatal accident after an intravenous injection of congo red] Hörstensmeyer O. *Deutsch Med Wschr* 89:1845-8, 25 Sep 64 (Ger)

ANAPLASMA

Immunology and serology of Anaplasma marginale. I. Fractionation of the complement-fixing antigen. Rogers TE, et al. *J Bact* 88:81-6, Jul 64

ANATOMY

[Andreas Vesalius, founder of modern anatomy (1514-1564)] (Vesalius A), et al. *Presse Med* 72:2357-9, 26 Sep 64 (Fr)

ANCYLOSTOMA

Creeping eruption and thiabendazole. In vitro studies. Hitch JM. *Arch Derm (Chicago)* 90:418-20, Oct 64

ANDROGENS

The effect of exogenous precursors on etiocholanolone androsterone ratios in man. Kirschner MA, et al. *Acta Endocr (Copenhagen)* 48:207-16, Jun 64

Pituitary gonadotrophin inhibitory action of neutral steroids. Kinel FA, et al. *Acta Endocr (Copenhagen)* 48:300-6, Jun 64

Some aspects of steroid biosynthesis in human ovarian tissue. Forleo R, et al. *Acta Endocr (Copenhagen)* 46:265-78, Jun 64

Characterization of a transplantable lactating mammary tumor: endocrinological, morphological, and biochemical aspects. Hilf R, et al. *Cancer Res* 24:812-23, Jun 64

Effect of local irradiation on testicular androgen biosynthesis. Schoen EJ. *Endocrinology* 75:56-65, Jul 64

Studies on testosterone metabolism. II. Metabolism of testosterone-4-14C and androst-4-ene-3,

17-dione-1,2-3H. Baulieu EE, et al. *J Biol Chem* 239:1578-84, May 64

Studies on testosterone metabolism. I. Conversion of testosterone-17-alpha-3H to 5-alpha- and 5-beta-androstane-3-alpha, 17-beta-deol-17-alpha-3H: a new "17-beta-hydroxyl pathway". Baulieu EE, et al. *J Biol Chem* 239:1569-77, May 64

Clinical, morphological and biochemical studies on a malignant testicular tumor. Engel FL, et al. *J Clin Endocr* 24:528-42, Jun 64

Androgens and the skin. Ebling FJ. *Proc Roy Soc Med* 57:525-7, Jun 64

Androgens in human breast cancer. Bulbrook RD, et al. *Proc Roy Soc Med* 57:523-5, Jun 64

Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. Prunty FT, et al. *Proc Roy Soc Med* 57:529-32, Jun 64

Hypocholesterolemic effect of an androsterone analogue. Ranney RE, et al. *Proc Soc Exp Biol Med* 116:596-9, Jul 64

Androgenic effect on gastric secretion. Eisenberg MM, et al. *Surg Forum* 15:321-3, 1964

ANDROSTERONE

Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. Wilson H, et al. *Acta Endocr (Copenhagen)* 46:197-206, Jun 64

Conjugation of androsterone in young and old subjects. Ryan MT. *Acta Endocr (Copenhagen)* 46:170-8, Jun 64

The effect of exogenous precursors on etiocholanolone androsterone ratios in man. Kirschner MA, et al. *Acta Endocr (Copenhagen)* 46:207-16, Jun 64

To-day's drugs. Agents for lowering serum cholesterol. Brit Med J 5418:1181-3, 7 Nov 64

Essential hypercholesterolaemic xanthomatosis. Roper BW. *Brit Med J* 5415:990-1, 17 Oct 64

Studies on testosterone metabolism. II. Metabolism of testosterone-4-14C and androst-4-ene-3, 17-dione-1,2-3H. Baulieu EE, et al. *J Biol Chem* 239:1578-84, May 64

Hypocholesterolemic effect of an androsterone analogue. Ranney RE, et al. *Proc Soc Exp Biol Med* 116:596-9, Jul 64

ANEMIA

Anemia and heart disease. Kilpatrick GS, et al. *Amer Heart J* 68:138-9, Jul 64

Venous oxygenation and circulatory responses to oxygen inhalation in acute anemia. Murray JF. *Amer J Physiol* 207:228-34, Jul 64

The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. Rosse WF, et al. *J Clin Invest* 43:1348-54, Jul 64

Effect of anemic hypoxia on erythropoiesis of normal and uremic dogs with or without kidneys. Naets JP, et al. *J Nucl Med* 5:471-9, Jun 64

Benzene and leukemia. Vigilani EC, et al. *New Eng J Med* 271:872-6, 22 Oct 64

Erythropoietic activity in human urine concentrate. Lewis JP, et al. *Proc Soc Exp Biol Med* 116:742-5, Jul 64

ANEMIA, APLASTIC

Effect of riboflavin deficiency on bone marrow function and protein metabolism in baboons. Preliminary report. Foy H, et al. *Brit J Nutr* 18:307-18, 1964

The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. Rosse WF, et al. *J Clin Invest* 43:1348-54, Jul 64

Phytohaemagglutinin. *Lancet* 2:647-8, 19 Sep 64

Benzene and leukemia. Vigilani EC, et al. *New Eng J Med* 271:872-6, 22 Oct 64

ANEMIA, CHEMICAL INDUCED

HEMOLYTIC

Hemolytic anemia due to aminosalicilic acid. Anemia with methemoglobinemia. Munroe WD, et al. *Amer J Dis Child* 108:426-9, Oct 64

Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Wuertz RL, et al. *Arch Environ Health (Chicago)* 9:478-91, Oct 64

Hemolytic anemia secondary to salicylazosulfapyridine therapy. Gardner MD, et al. *JAMA* 190:71-2, 5 Oct 64

Enzymes and drug sensitivity. Glucose 6-phosphate dehydrogenase deficiency. Frankerd TA. *Proc Roy Soc Med* 57:506-8, Jun 64

[Acute hemolytic anemia due to naphthalene inhalation in 2 premature infants and 1 full-term infant] Irle U. *Deutsch Med Wschr* 89:1798-800, 18 Sep 64 (Ger)

ANEMIA, CONGENITAL HEMOLYTIC

Hereditary Heinz-body anemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. Hutchison HE, et al. *Brit Med J* 5417:1099-103, 31 Oct 64

ANEMIA, HEMOLYTIC

Studies on the hemolytic nature of protein-deficiency anemia in the rat. Delmonte L, et al. *Blood* 24:49-68, Jul 64

Nitrofurantoin and megaloblastic anaemia. De Veber LL, et al. *Lancet* 2:697-8, 20 Sep 64

Case records of the Massachusetts General Hospital: weekly clinicopathological exercises: Case 52-1964. *New Eng J Med* 271:898-905, 22 Oct 64

ANEMIA, HYPOCHROMIC

Geophagia with iron deficiency and hypokalemia. Cachexia africana. Mengel CE, et al. *Arch Intern Med (Chicago)* 114:470-4, Oct 64

Studies on the hemolytic nature of protein-deficiency anemia in the rat. Delmonte L, et al. *Blood* 24:49-68, Jul 64

Hemodynamic effects of blood transfusion in chronic anemia. Duke M, et al. *New Eng J Med* 271:975-80, 5 Nov 64

A controlled-release iron tablet. Howard HI. *Practitioner* 193:83-5, Jul 64

ANEMIA, IDIOPATHIC ACQUIRED

HEMOLYTIC

Thymectomy in an infant with autoimmune haemolytic anaemia. Karaklis A, et al. *Lancet* 2:778-80, 10 Oct 64

ANEMIA, MACROCYTIC

Anemia and heart disease. Kilpatrick GS, et al. *Amer Heart J* 68:138-9, Jul 64

Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al. *Brit Med J* 5417:1108-11, 31 Oct 64

Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al. *Brit Med J* 5417:1108-11, 31 Oct 64

Thrombocytopenia and megaloblastic anaemia of pregnancy. Jenkins GC, et al. *J Obstet Gynaec Brit Comm* 71:609-14, Aug 64

The role of folic acid in pregnancy; with particular reference to anaemia, abortion and abortion. Hibbard BM. *J Obstet Gynaec Brit Comm* 71:529-42, Aug 64

Macrocytosis of the erythrocytes. A preliminary report. Hattersley PG. *JAMA* 189:997-9, 28 Sep 64

Nitrofurantoin and megaloblastic anaemia. De Veber LL, et al. *Lancet* 2:697-8, 20 Sep 64

Hemodynamic effects of blood transfusion in chronic anemia. Duke M, et al. *New Eng J Med* 271:975-80, 5 Nov 64

Response to lettuce in a patient with megaloblastic anaemia associated with pregnancy. Baumslag N, et al. *S Afr Med J* 38:611-3, 15 Aug 64

ANEMIA, PERNICIOUS

Hypoparathyroidism and pernicious anaemia. Ikkala E, et al. *Acta Med Scand* 176:73-7, Jul 64

Is the vitamin B 12 treatment of pernicious anemia a predisposing factor for thromboses in aged patients? Klemetti L. *Acta Med Scand* 176:121-2, Jul 64

Bacterial changes in the small intestine in malabsorptive states and in pernicious anaemia. Dellipiani AW, et al. *Clin Sci* 26:359-74, Jun 64

Cyanide encephalopathy in man? Smith AD. *Lancet* 2:668-70, 20 Sep 64

Juvenile pernicious anemia. Spurling CL, et al. *New Eng J Med* 271:995-1003, 5 Nov 64

ANEMIA, SICKLE CELL

Rate of sickling of red cells during deoxygenation of blood from persons with various sickling disorders. Charache S, et al. *Blood* 24:25-48, Jul 64

Clinical pathological conference. The Children's Hospital Medical Center, Boston, Mass. Farber S, et al. *J Pediat* 65:306-10, Aug 64

ANESTHESIA

Clamp for holding suction tip and hose. Potter GJ. *Anesthesiology* 25:572, Jul-Aug 64

Some reflections on mortality due to anesthesia. Papper EM. *Anesthesiology* 25:454-60, Jul-Aug 64

The influence of sex on anesthetic morbidity and mortality. Gordh T. *Anesthesiology* 25:466-9, Jul-Aug 64

High altitude physiology in relation to anesthesia and inhalation therapy. Safar P, et al. *Anesthesiology* 25:515-31, Jul-Aug 64

Bodily reactions to high temperature. Wakim KG. *Anesthesiology* 25:532-48, Jul-Aug 64

Problems of anesthesia for orthopedic procedures. Tovell RM, et al. *J Int Coll Surg* 42:429-37, Oct 64

Treatment of acute hypertensive crises in surgical patients. Baldini E, et al. *JAMA* 190:157-8, 12 Oct 64

The physiological diagnosis of acid-base disturbances of blood. Fink BR. *Proc Roy Soc Med* 57:693-6, Aug 64



## ANESTHESIA ADJUVANTS

The contribution of halothane to anaesthesia. Smith M. *New Zeal Med J* 63:444-7, Jul 64

## ANESTHESIA, CONDUCTION

Regional intravenous anaesthesia. Kenmore PI, et al. *Surg Forum* 15:454-6, 1964

## ANESTHESIA, GENERAL

General anesthesia in the ultrasound irradiation of the posterior labyrinth in severe Menière's disease. Arslan M, et al. *Ann Otol* 73:328-31, Jun 64  
Intraocular pressure in children measured under general anesthesia. Kornbluth W, et al. *Arch Ophthalmol* (Chicago) 72:489-90, Oct 64  
Is it safe to use general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. Urbach KF, et al. *JAMA* 190:25-9, 5 Oct 64  
Foetal acidosis. Derom R. *Lancet* 2:757, 3 Oct 64

## ANESTHESIA, INHALATION

Ether screen with chin holder. Thompson RC. *Anesthesiology* 25:571-2, Jul-Aug 64  
Respiratory gas studies with ether convulsion. Waun J, et al. *Anesthesiology* 25:580-1, Jul-Aug 64  
Hazards of anesthetic equipment. Eger EI 2d, et al. *Anesthesiology* 25:490-504, Jul-Aug 64  
Anesthetic explosions: a continuing threat. Walter CW. *Anesthesiology* 25:505-14, Jul-Aug 64  
Cerebrovascular response to Paco<sub>2</sub> during halothane anesthesia in man. Alexander SC, et al. *J Appl Physiol* 19:561-5, Jul 64  
Expiratory activity of the abdominal muscles in man during general anesthesia. Freund F, et al. *J Appl Physiol* 19:693-7, Jul 64  
Ether-air anesthesia for small experimental animals. Walker FW. *J Appl Physiol* 19:827-8, Jul 64

## ANESTHESIA, INTRAVENOUS

Study of hemodynamic factors which alter the sequence of the second heart sound. Boyle J 3d, et al. *Amer Heart J* 68:91-7, Jul 64  
Cataract extraction under combined local and general analgesia using phenazocine. Cashell GT, et al. *Brit J Ophthalmol* 48:139-42, Mar 64

## ANESTHESIA, LOCAL

The use of radiolodinated serum albumin to confirm accidental intravascular insertion of epidural catheters. Duncalf D, et al. *Anesthesiology* 25:564-6, Jul-Aug 64  
Cataract extraction under combined local and general analgesia using phenazocine. Cashell GT, et al. *Brit J Ophthalmol* 48:139-42, Mar 64  
Intoxication due to local anesthetics. *New Eng J Med* 271:964-5, 20 Oct 64  
Local anaesthetic procedures for the arm and hand. Bromage PR. *Surg Clin N Amer* 44:919-23, Aug 64

## ANESTHESIA, SPINAL

The use of radiolodinated serum albumin to confirm accidental intravascular insertion of epidural catheters. Duncalf D, et al. *Anesthesiology* 25:564-6, Jul-Aug 64  
Spinal or general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. Urbach KF, et al. *JAMA* 190:25-9, 5 Oct 64  
Foetal acidosis. Derom R. *Lancet* 2:757, 3 Oct 64

## ANESTHESIOLOGY

The anesthesiologist's view of himself and his specialty. Porter WE. *Anesthesiology* 25:436-9, Jul-Aug 64  
Research: the environment for maximal development. Dripps RD. *Anesthesiology* 25:440-4, Jul-Aug 64  
An account of the history of the journal *Anesthesiology*. Cullen SC. *Anesthesiology* 25:416-27, Jul-Aug 64  
Effects of ionizing radiation and their importance in anesthesiology. Little JB, et al. *Anesthesiology* 25:479-89, Jul-Aug 64  
Life among anesthetists: recollections of forty years. Leake CD. *Anesthesiology* 25:428-35, Jul-Aug 64  
Anesthetist as investigator. Beecher HK. *Anesthesiology* 25:445-53, Jul-Aug 64  
The ether controversy revisited (Morton WT), (Jackson CT). (Morton WT), et al. *Anesthesiology* 25:560-3, Jul-Aug 64

## ANESTHETICS, LOCAL

Ophthalmic (proparacaine hydrochloride) a local anaesthetic for ophthalmic surgery. Rycroft PV. *Brit J Ophthalmol* 48:102-4, Feb 64

A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al. *J Amer Geriatr Soc* 12:771-5, Aug 64  
Methaemoglobinemia due to prilocaline. Scott DB, et al. *Lancet* 2:728-9, 3 Oct 64

## ANEURYSM

Innominate arterial aneurysms occurring after blunt trauma. Heggveit HA, et al. *Amer J Clin Pathol* 42:69-74, Jul 64  
Fluorescein studies of the retinal circulation in diabetics. Scott DJ, et al. *Brit J Ophthalmol* 47:588-9, Oct 63  
Aneurysm of a persistent primitive sciatic artery. Joffe N. *Clin Radiol* 15:286-90, Jul 64  
Aneurysm of the spermatic artery. Bush IM, et al. *J Urol* 92:47-50, Jul 64  
Femoral aneurysms. Review of surgical management. Pappas G, et al. *JAMA* 190:489-93, 9 Nov 64  
The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64  
The diagnosis and treatment of arterial injuries of the upper extremity. MacLean LD. *Surg Clin N Amer* 44:1037-47, Aug 64  
Peripheral angiography: a clinical evaluation. Rose S. *Vasc Dis* 1:64-76, Jan 64  
[Postoperative hemobilia] Flabeau F, et al. *Presse Med* 72:2381-4, 3 Oct 64 (Fr)

## ANGINA PECTORIS

Monitored and post-exercise two-step test. Master AM, et al. *JAMA* 190:494-500, 9 Nov 64  
Mortality and morbidity in surgical patients with coronary artery disease. Arkins R, et al. *JAMA* 190:485-8, 9 Nov 64  
Prenylamine ("segontin") in prophylaxis of angina pectoris attacks. Stables DP, et al. *S Afr Med J* 38:615-7, 15 Aug 64  
[Aortic insufficiency with anginous symptomatology: its surgical treatment. (Apropos of 5 cases)] Soulié P, et al. *Presse Med* 72:2307-12, 26 Sep 64 (Fr)

## ANGIOCARDIOGRAPHY

Angiocardiographic measurements in congenital heart disease in infancy and childhood. II. Size of left atrium. Arvidsson H. *Acta Radiol [Diagn]* (Stockholm) 2:353-64, Jul 64  
A new contrast medium: sodium iothalamate. A clinical evaluation in 135 cases. Mudd JG, et al. *Angiology* 15:350-2, Aug 64  
Tetralogy of Fallot with aortic origin of the left pulmonary artery: radiographic and angiocardiographic considerations. Report of a case. Czarnecki SW, et al. *Dis Chest* 48:97-101, Jul 64  
Severe pulmonary hypertensive episodes following angiocardiography with sodium metrizoate. Watson H. *Lancet* 2:732-3, 3 Oct 64  
Pulmonary hypertension following angiocardiography with sodium metrizoate. De Bono AH. *Lancet* 2:860-1, 17 Oct 64  
Pulmonary hypertension following angiocardiography with sodium metrizoate. Coleman EN, et al. *Lancet* 2:913-4, 24 Oct 64  
Roentgenographic clues to the cardiac hemodynamics of aortic stenosis. Rockoff SD, et al. *Radiology* 83:58-62, Jul 64  
The Odelca one hundred millimeter camera and rapid film-changer: its application to angiography. Davidson KC, et al. *Radiology* 83:80-5, Jul 64  
Diagnostic cineangiocardiology. Rowe GG, et al. *Vasc Dis* 1:45-53, Jan 64  
Coronary angiography. Gensini GG, et al. *Vasc Dis* 1:34-44, Jan 64

## ANGIOGRAPHY

False signs of thrombosis in lower leg phlebography. Almén T, et al. *Acta Radiol [Diagn]* (Stockholm) 2:345-52, Jul 64  
Intentional embolism in selective renal arteriography. An experimental study in dogs. Edling NP, et al. *Acta Radiol [Diagn]* (Stockholm) 2:316-20, Jul 64  
A new contrast medium: sodium iothalamate. A clinical evaluation in 135 cases. Mudd JG, et al. *Angiology* 15:350-2, Aug 64  
Percutaneous cannulation of the carotid artery. Sheldon P. *Brit J Radiol* 37:826-30, Jul 64  
Is arterial puncture dangerous? *Brit Med J* 5416:1072, 24 Oct 64  
Technique of arterial puncture. A new needle-cannula for arteriography. New PF, et al. *J Neurosurg* 20:390-6, May 63  
Pelvic angiography in the diagnosis of malignant trophoblastic disease. Hendrickse JP de, et al. *New Eng J Med* 271:859-66, 22 Oct 64  
The inferior vena cavogram in pregnancy. Radiological aspects. Samuel E. *Proc Roy Soc Med* 57:702-4, Aug 64  
The use of coronary angiography in clinical investigation. Werko L, et al. *Proc Roy Soc Med* 57:664-7, Aug 64

Renal arteriography. Sutton D. *Proc Roy Soc Med* 57:661-4, Aug 64  
Diagnosis of placenta praevia by aortography. Ainsworth J, et al. *Proc Roy Soc Med* 57:697-700, Aug 64  
The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64  
The Odelca one hundred millimeter camera and rapid film-changer: its application to angiography. Davidson KC, et al. *Radiology* 83:80-5, Jul 64  
Angiography: its place in current practice. Marshall TR, et al. *Vasc Dis* 1:3-7, Jan 64  
Peripheral angiography: a clinical evaluation. Rose S. *Vasc Dis* 1:64-76, Jan 64  
The clinical safety of angiographic media. Maxted W. *Vasc Dis* 1:58-63, Jan 64  
A radiographic evaluation of angiographic contrast media. Twigg HL, et al. *Vasc Dis* 1:54-7, Jan 64  
The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64

## ANGIOTENSIN

Angiotensin in pituitary tumour. Wright JC. *Brit J Ophthalmol* 48:402-3, Jul 64

## ANGIOMATOSIS

Disseminated hemangiomas. The newborn with central nervous system involvement. Burke EC, et al. *Amer J Dis Child* 108:418-24, Oct 64  
Some neurosurgical aspects of the so-called phakomatoses. Obrador S. *J Neurosurg* 20:296-302, Apr 63  
Low in-vivo adhesive-platelet count in hereditary haemorrhagic telangiectasia. Muckle TJ. *Lancet* 2:880-2, 24 Oct 64  
Hereditary hemorrhagic telangiectasia. Report of a case with severe complication following radical treatment. Crawford HH, et al. *Plast Reconstr Surg* 34:136-41, Aug 64  
The split-thickness skin graft in the management of hereditary hemorrhagic telangiectasia involving the nasal mucosa. Letterman G, et al. *Plast Reconstr Surg* 34:126-35, Aug 64

## ANGIOSARCOMA

Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. Abraham J, et al. *J Neurosurg* 20:252-3, Mar 63  
Cerebral hemangioblastomas: review of literature and report of two personal cases. Morello G, et al. *J Neurosurg* 20:254-64, Mar 63  
Hemangiopericytoma of the heart. Robinson DS, et al. *JAMA* 189:1026-8, 28 Sep 64

## ANGIOTENSIN

Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64  
Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64  
Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. Elsallo A, et al. *Ann Chir Gynaec Fenn* 53:389-93, 1964  
Control of renin secretion. Skinner SL, et al. *Circ Res* 15:64-76, Jul 64  
Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. Dahl LK, et al. *Circulation* 30:Suppl 2:11-22, Aug 64  
In vitro effects of vasopressor agents on the metabolism of the vascular wall. Hollander W, et al. *Circulation* 30:Suppl 2:1-10, Aug 64  
The effect of angiotensin on the function of the separate kidneys in patients with unilateral renal artery stenosis. Brown JJ, et al. *Clin Sci* 26:361-95, Jun 64  
Angiotensin skin test and its relation to hypertension in man. Hradcová L, et al. *Helv Paediatr Acta* 19:87-98, Jun 64  
Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. Urquhart J, et al. *J Clin Invest* 43:1355-66, Jul 64  
Plasma renin activity in primary aldosteronism. Importance in differential diagnosis and in research of essential hypertension. Conn JW, et al. *JAMA* 190:222-5, 19 Sep 64  
Hemodynamic effects of pressor agents in septic and myocardial infarction shock. Smulyan H, et al. *JAMA* 190:188-94, 19 Sep 64  
Suppression of plasma renin activity in primary aldosteronism. Distinguishing primary from secondary aldosteronism in hypertensive disease. Conn JW, et al. *JAMA* 190:213-21, 19 Sep 64  
Effects of angiotensin on the toad skin. Barbour BH, et al. *Proc Soc Exp Biol Med* 116:806-8, Jul 64  
Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog.



- Müller AJ, et al.  
*Proc Soc Exp Biol Med* 116:392-4, Jun 64  
 Effect of angiotensin on the iodine 131 sodium O-iodohippurate renogram in hypertensive patients. Wax SH, et al. *Surg Forum* 15:498-9, 1964  
 Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964  
 A comparison of the physiologic effects of angiotensin with other vasoconstrictors. Rea VE, et al. *Surg Forum* 15:17-8, 1964  
 Cinephotomicrographic studies of the pial vasculature in the monkey and cat. Scratch GP, et al. *Surg Forum* 15:409-10, 1964

## ANILIDES

- Shwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. Antopol W, et al.  
*Arch Path (Chicago)* 78:313-24, Oct 64

## ANILINE COMPOUNDS

- Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Wuertz RL, et al.  
*Arch Environ Health (Chicago)* 9:478-91, Oct 64  
 Acute aniline poisoning treated by hemodialysis. Report of a case. Lubash GD, et al.  
*Arch Intern Med (Chicago)* 114:530-2, Oct 64

## ANIMAL VIRUSES

- Oxidative inactivation of different types of enterovirus. Lund E. *Amer J Hyg* 80:1-10, Jul 64

## ANIMALS, LABORATORY

- Constancy of chromosome karyotype in human tumors H.Ad. 1 and H.Ep. 3 maintained in laboratory animals. Haley HB, et al. *Cancer Res* 24:639-47, May 64  
 A polystyrene mouse cage. Jones A.  
*J Clin Path* 17:470, Jul 64

## ANIMALS, NEWBORN

- Pathophysiology of respiratory distress in newborn lambs. Circulatory, biochemical, and pathological considerations. Stahlman M, et al.  
*Amer J Dis Child* 108:375-93, Oct 64  
 Nitrogen balance studies with the milk-fed lamb. 3. Effect of different nitrogen intakes on growth and nitrogen balance. Walker DM, et al.  
*Brit J Nutr* 18:295-308, 1964  
 The intake of milk and the retention of its constituents while the newborn rabbit doubles its weight. Davies JS, et al. *Brit J Nutr* 18:385-92, 1964  
 Growth of rats from normal dams restricted in diet in previous pregnancies. Chow BF.  
*J Nutr* 83:289-92, Aug 64  
 The effects of anoxia on the newborn and adult rat lung. Seller MJ, et al. *J Path Bact* 88:309-11, Jul 64  
 Host-virus relationships in hamsters inoculated with SV40 virus during the neonatal period. Girardi AJ, et al. *Proc Soc Exp Biol Med* 116:723-8, Jul 64  
 Slow elimination of urethan in relation to its high carcinogenicity in newborn mice. Mirvish S, et al. *Proc Soc Exp Biol Med* 116:265-8, Jun 64

## ANKLE JOINT

- Problems in diagnosing osteoarticular tuberculosis. Hunt DD. *JAMA* 190:95-8, 12 Oct 64  
 Diagnosis and treatment of injury of lateral ligament of the ankle joint. Caro D, et al. *Lancet* 2:720-3, 3 Oct 64  
 Dislocations of the tarsometatarsal joints. Bassett FH 3d. *Southern Med J* 57:1294-302, Nov 64

## ANKYLOSIS

- Segmental vertebrotoomy. Tsivyan YL.  
*J Int Coll Surg* 42:404-7, Oct 64

## ANOXEMIA

- Effect of anemic hypoxia on erythropoiesis of normal and uremic dogs with or without kidneys. Naets JP, et al. *J Nucl Med* 5:471-9, Jun 64

## ANOXIA

- Study of hemodynamic factors which alter the sequence of the second heart sound. Boyle J 3d, et al. *Amer Heart J* 68:91-7, Jul 64  
 Transient arterial lactic acid changes in unanesthetized dogs at 21,000 feet. Cain SM, et al.  
*Amer J Physiol* 206:1437-40, Jun 64  
 Effects of hypoxia on iron absorption and mobilization in the rat. Strohmeyer GW, et al.  
*Amer J Physiol* 207:55-61, Jul 64  
 Effects of hypoxia and hyperthermia on hepatic tissue of the dog. Reed WA, et al.  
*Amer J Physiol* 206:1304-8, Jun 64  
 Cumulative effects of oxygen lack on the electrical

- phenomena of the cochlea. Deutsch E.  
*Ann Otol* 73:348-57, Jun 64  
 Controlled oxygen therapy in respiratory failure. Hutchison DC, et al. *Brit Med J* 5418:1159-66, 7 Nov 64  
 Reproducibility of transient response to CO<sub>2</sub> inhalation in man. Read DJ, et al. *J Appl Physiol* 19:750-4, Jul 64  
 The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation. Shewell J, et al. *J Path Bact* 88:61-71, Jul 64  
 The effects of anoxia on the newborn and adult rat lung. Seller MJ, et al. *J Path Bact* 88:309-11, Jul 64  
 Patterns and mechanisms of injury following anoxia of the normothermic and hypothermic dog stomach. Marx FW Jr, et al. *Surg Forum* 15:328-30, 1964  
 Effects of anesthetic agents on pulmonary vascular resistance during hypoxia. Buckley MJ, et al. *Surg Forum* 15:183-4, 1964  
 Pulmonary vascular responses to hypoxia and their modification by pharmacologic sympathectomy. McLaughlin JS, et al. *Surg Forum* 15:185-6, 1964  
 Influence of hypothermia and anoxia upon the biochemistry of heart muscle. Passanti GT, et al. *Surg Forum* 15:210-2, 1964  
 [Hypoxia] Lefrancols R, et al.  
*Presse Med* 72:2525-9, 17 Oct 64 (Fr)

## ANTHRACOSILICOSIS

- Socioeconomic aspects of the pneumoconioses. Trasko VM. *Arch Environ Health (Chicago)* 9:521-8, Oct 64

## ANTHRANILIC ACID

- Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder and kidney. Alifano A, et al. *Brit J Cancer* 18:386-9, Jun 64  
 Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al.  
*Cancer Res* 24:582-5, May 64  
 In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
 Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al.  
*Cancer Res* 24:596-602, May 64

## ANTHRAX

- Effect of protein nutrition on leukocyte mobilization. Gray I. *Proc Soc Exp Biol Med* 116:414-6, Jun 64  
 [On a little-known form of cutaneous anthrax: the bullous or multi-bullous form] Marinesco G.  
*Presse Med* 72:2209-10, 19 Sep 64 (Fr)

## ANTHROPOMETRY

- The accuracy of orthoroentgenographic measurements. Nordentoft EL.  
*Acta Orthop Scand* 34:283-8, 1964  
 Completion of growth in the lower limbs in relation to biological development menarche, and inherited factors. Nordentoft EL.  
*Acta Orthop Scand* 34:213-24, 1964  
 [Discs for the calculation of 2 indices of robustness and a cardiac functional index] Perolini C.  
*Presse Med* 72:2199-200, 19 Sep 64 (Fr)

## ANTIBIOTICS

- Subphrenic abscess: a thoracoabdominal clinical complex: the changing picture with antibiotics. Carter R, et al. *Amer J Surg* 108:165-74, Aug 64  
 Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al.  
*Arch Derm (Chicago)* 90:377-86, Oct 64  
 Optic neuritis in measles. Srivastava SP, et al. *Brit J Ophthalmol* 47:180-1, Mar 63  
 Multiple vaccinia of the eyelids. Ogg AJ.  
*Brit J Ophthalmol* 47:123-5, Feb 63  
 Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64  
 Biosynthesis of mycobacillin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al.  
*J Bact* 87:1402-5, Jun 64  
 Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64  
 Biosynthesis of mycobacillin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al.  
*J Bact* 87:1402-5, Jun 64  
 An evaluation of cephalosporin derivatives in vitro and in experimental infections. Frost BM, et al. *J Path Bact* 88:125-36, Jul 64  
 Hospital-acquired infections and antibiotic usage in the Boston City Hospital-January, 1964. Kislak JW, et al. *New Eng J Med* 271:834-5, 15 Oct 64  
 Experimental caustic burns of the esophagus. Bachman K, et al. *Surg Forum* 15:307-8, 1964

- The mechanism and treatment of verdoglobulinuria in *Pseudomonas* sepsis. Stone HH, et al.  
*Surg Forum* 15:48-9, 1964  
 [Staphylococci in the newborn nursery] Kienitz M, et al. *Deutsch Med Wschr* 89:1744-51, 11 Sep 64 (Ger)

## ANTIBODIES

- Psittacosis complement-fixing antibodies in sera from fauna of the Great Salt Lake Desert of Utah. Sidwell RW, et al. *Amer J Trop Med* 13:591-4, Jul 64  
 Epidemic hemorrhagic fever in Bolivia. II. Demonstration of complement-fixing antibody in patients' sera with junin virus antigen. Wiebenga NH, et al. *Amer J Trop Med* 13:626-8, Jul 64  
 Laboratory studies with wild rodents and viruses native to Trinidad. I. Studies on the behavior of coxal virus. Jonkers AH, et al.  
*Amer J Trop Med* 13:613-9, Jul 64  
 Prevalence of *Listeria agglutinins* in obstetric and gynaecologic patients. Grönroos JA, et al.  
*Ann Chir Gynaec Fenn* 53:377-82, 1964  
 Study of antibody levels to *Corynebacterium acnes*. In the serum of patients with acne vulgaris, using bacterial agglutination, agar gel immunodiffusion, and immunofluorescence techniques. Puhvel SM, et al. *Arch Derm (Chicago)* 90:421-7, Oct 64  
 Organ specificity of the heart. 3. Circulating antibodies and immunopathological lesions in experimental animals. Davies AM, et al.  
*Arch Path (Chicago)* 78:369-76, Oct 64  
 Auto-immunity in uveitis. Perkins ES, et al.  
*Brit J Ophthalmol* 48:61-9, Feb 64  
 Specific binding of an I-131-labeled ragweed pollen fraction by sera of untreated ragweed-sensitive humans. Lidd D, et al. *J Allerg* 35:289-305, Jul-Aug 64  
 The relationship of gamma-1A globulin and reagin in cord sera. Allansmith M, et al.  
*J Allerg* 35:339-45, Jul-Aug 64  
 Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. Piraino F, et al.  
*J Bact* 87:1503-11, Jun 64  
 The sedimentation properties of the skin-sensitizing antibodies of ragweed-sensitive patients. Andersen BR, et al. *J Exp Med* 120:31-43, 1 Jul 64  
 Pollomyelitis antibodies in human colostrum and milk. Hodes HI, et al. *J Pediatr* 65:319-20, Aug 64  
 Antigenic characteristics of spermatozoa from bulls, rams and boars. II. Sperm agglutinins in normal and immune sera. Matousek J.  
*J Reprod Fertil* 8:5-11, Aug 64  
 Poliovirus antibody two years after oral trivalent vaccine (Sabin strains). Cabasso VJ, et al.  
*JAMA* 190:248-50, 19 Sep 64  
 Byssinosis: antibody to cotton antigens in normal subjects and in cotton card-room workers. Massoud A, et al. *Lancet* 2:607-10, 19 Sep 64  
 Significance of antibodies to dietary proteins in the serums of patients with nontropical sprue. Kivel RM, et al. *New Eng J Med* 271:769-72, 8 Oct 64  
 Some aspects of the antibody response of rabbits to immunization with enterobacterial somatic antigens. Weidanz WP, et al.  
*Proc Soc Exp Biol Med* 116:832-7, Jul 64  
 Enhancement of Mycoplasma agglutination titers by use of anti-globulin. Adler HE, et al.  
*Proc Soc Exp Biol Med* 116:608-10, Jul 64  
 Arthropod-borne encephalitis viruses in northeastern South America. I. A serological survey of northeastern Surinam. Jonkers AH, et al.  
*Trop Geogr Med* 16:135-45, Jun 64  
 Virological and serological observations made during the development and control of an outbreak of poliomyelitis in Surinam. Metselaar D, et al.  
*Trop Geogr Med* 16:129-34, Jun 64  
 [Antibodies of the GM serum system during chronic evolutive polyarthritis] Jacqueline F, et al.  
*Presse Med* 72:2205-8, 19 Sep 64 (Fr)  
 [Attempt at demonstration of pollen reagins in vitro] Meiliger E. *Int Arch Allerg* 24:Suppl:21-2, 1964 (Ger)

## ANTIBODY FORMATION

- Course of the serologic reactions in rabbits inoculated with different numbers of *Treponema pallidum*. Kent JF, et al. *Amer J Clin Path* 42:33-6, Jul 64  
 The abdominal policeman. *Brit Med J* 5415:963-4, 17 Oct 64  
 Serum properdin in tumor-bearing mice. I. Comparison with natural and immune antibodies. Schwartz EE, et al. *Cancer Res* 24:825-9, Jun 64  
 Observations on basophil degranulation as an indicator of antigen-antibody reaction. Friedlaender S, et al. *J Allerg* 35:361-70, Jul-Aug 64  
 Complement-fixation titers in experimental coccidioidomycosis in rabbits. Brosbe EA, et al. *J Bact* 88:233-41, Jul 64  
 Nonspecific effects of liver extract-adjutant injection in guinea pigs. A morphologic and immunologic study. Soergel KH, et al. *J Lab Clin Med* 64:51-9, Jul 64  
 "Immunological organization" and activity of human peripheral white-blood-cell cultures. Bartfeld H, et al. *Lancet* 2:787-9, 10 Oct 64  
 Stress and susceptibility to viral infections. 3. Antibody



- response and viral retention during avoidance learning stress. Yamada A, et al.  
**Proc Soc Exp Biol Med** 116:677-80, Jul 64  
 New metabolizable immunologic adjuvant for human use. I. Development and animal immune response. Woodhour AF, et al.  
**Proc Soc Exp Biol Med** 116:516-23, Jun 64  
 Immunofluorescent study of experimental Trypanosoma cruzi infection. Essenfeld E, et al.  
**Proc Soc Exp Biol Med** 116:728-30, Jul 64  
 Antibody response in certain domestic animals to influenza viruses. Bucca MA, et al.  
**Proc Soc Exp Biol Med** 116:493-5, Jun 64  
 Antibody response in splenectomized monkeys. Saslaw S, et al. **Proc Soc Exp Biol Med** 116:738-42, Jul 64  
 First isolations of leptospirae in cape town. Rademan J, et al. **S Afr Med J** 68:694-6, 29 Aug 64  
 [Parapertussis] Simon C.  
**Deutsch Med Wschr** 89:1733-9, 11 Sep 64 (Ger)

## ANTICOAGULANTS

- Anticoagulants: another view. Verel D.  
**Brit Med J** 5417:1135, 31 Oct 64  
 Anticoagulants: another view. McMichael J.  
**Brit Med J** 5415:1007, 17 Oct 64  
 Anticoagulants after myocardial infarction.  
**Brit Med J** 5413:831-2, 3 Oct 64  
 An assessment of long-term anticoagulant administration after cardiac infarction. Second report of the Working Party on Anticoagulant Therapy in Coronary Thrombosis to the Medical Research Council. **Brit Med J** 5413:837-43, 3 Oct 64  
 Anticoagulants: another view. Verel D.  
**Brit Med J** 5417:1135, 31 Oct 64  
 Postoperative prophylactic anticoagulants in gynaecology. A ten-year study. Bottomley JE, et al.  
**Lancet** 2:835-6, 17 Oct 64  
 Naturally occurring species specific inhibitor of human prothrombin in lupus erythematosus. Houghe C.  
**Proc Soc Exp Biol Med** 116:359-61, Jun 64

## ANTICONVULSANTS

- [A new anti-epileptic agent: carbamylidibenzazepine or 5-carbamoyl-5-H-dibenz(b,f)azepine (G-32,883)]  
 Sigwald J, et al. **Presse Med** 72:2323-4, 26 Sep 64 (Fr)

## ANTIDEPRESSIVE AGENTS

- Drugs for depression. **Brit Med J** 5414:941-2, 10 Oct 64  
 Therapeutic efficacy of antidepressant drugs. A review. Cole JO. **JAMA** 190:448-55, 2 Nov 64  
 Toxicity of psychotropic drugs. Side-effects and toxic effects of antidepressants. Pare CM.  
**Proc Roy Soc Med** 57:757-8, Aug 64  
 DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al.  
**Proc Soc Exp Biol Med** 116:705-12, Jul 64

## ANTIGEN-ANTIBODY REACTIONS

- Influence of sex and ABO blood group on the normal lymphocyte transfer test. Moorhead JF, et al.  
**Brit Med J** 5417:1111-3, 31 Oct 64  
 Observations on basophil degranulation as an indicator of antigen-antibody reaction. Friedlaender S, et al.  
**J Allerg** 35:361-70, Jul-Aug 64  
 Experimental eosinophilia. VII. Lymph node responses to altered gamma globulins. Cohen SG, et al.  
**J Allerg** 35:346-55, Jul-Aug 64  
 The reagin-allergen reaction in the skin without concomitant wheal and flare. Richter M, et al.  
**J Allerg** 35:356-60, Jul-Aug 64  
 Antiglobulin consumption test in rabbit homotransplantation. McDonald JC, et al.  
**JAMA** 190:122-6, 12 Oct 64  
 Antigen-stimulated desoxyribonucleic-acid synthesis in vitro by sensitised mouse macrophages. Rowley D, et al. **Lancet** 2:734-5, 3 Oct 64  
 Short-term phytohaemagglutinin culture on human thoracic-duct lymphocytes. Lindahl-Kiessling K.  
**Lancet** 2:862-3, 17 Oct 64  
 Effects of phytohaemagglutinin on leucocytes. Coulson AS, et al. **Lancet** 2:819-20, 10 Oct 64  
 In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. Hirschhorn K, et al. **Lancet** 2:842-3, 17 Oct 64  
 The plasma insulin "inhibitor" and immunoprecipitation assay. Kuzuya T, et al.  
**Metabolism** 13:493-5, Jun 64  
 Isoimmunization of the Rh-negative mother during the third stage of labor. Clark TL, et al.  
**Obstet Gynec** 23:764-7, May 64  
 Antigen-antibody reactions involved in transplantation phenomena. Burrows L, et al.  
**Surg Forum** 15:135-7, 1964  
 [The relay system in the defense mechanism of the skin] Schnitzer A. **Int Arch Allerg** 24:Suppl:1-8, 1964 (Ger)  
 [The antigen-antibody reaction of isolated tissue mast cells and the complement system] Keller R.  
**Int Arch Allerg** 24:Suppl:13-4, 1964 (Ger)

## ANTIGENS

- Immunochemical and biological similarity between human luteinizing hormone and one of the antigenic components of human chorionic gonadotrophin. Shahani SK, et al.  
**Acta Endocr (Kobenhavn)** 46:317-30, Jun 64  
 Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. II. Studies on type 3 strains. Furesz J, et al.  
**Amer J Hyg** 80:55-61, Jul 64  
 Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 1 strains. Furesz J, et al.  
**Amer J Hyg** 80:45-54, Jul 64  
 The antigenic composition of tumours, sera and urines of tumour-bearing mice and the partial purification of two antigens present in increased amounts. Witz I, et al. **Brit J Cancer** 18:397-406, Jun 64  
 Auto-immunity in uveitis. Perkins ES, et al.  
**Brit J Ophthalmol** 48:61-9, Feb 64  
 Correlation of immunofluorescence and infectivity in the developing bovine cutaneous papilloma. Smithies LK, et al. **Cancer Res** 24:674-81, May 64  
 Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al.  
**Cancer Res** 24:754-62, May 64  
 Observations on basophil degranulation as an indicator of antigen-antibody reaction. Friedlaender S, et al.  
**J Allerg** 35:361-70, Jul-Aug 64  
 Observations on the experimental reproduction of asthma with mold antigens. Colen J, et al.  
**J Allerg** 35:331-8, Jul-Aug 64  
 Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. Sonneborn DR, et al.  
**J Bact** 87:1321-9, Jun 64  
 Immunology and serology of Anaplasma marginale. I. Fractionation of the complement-fixing antigen. Rogers TE, et al. **J Bact** 88:81-6, Jul 64  
 Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. Sonneborn DR, et al.  
**J Bact** 87:1321-9, Jun 64  
 Preparation of complement-fixing antigen for routine use in diagnosis of Eaton pneumonia. Jansson E.  
**J Clin Pathol** 17:458-60, Jul 64  
 Vertebral echinococcosis: report of case of surgical and biological therapy with review of the literature. Rayport M, et al. **J Neurosurg** 21:647-59, Aug 64  
 Pulmonary aspergillosis: diagnostic and immunological significance of antigens and C-substance in Aspergillus fumigatus. Longbottom JL, et al.  
**J Path Bact** 88:141-51, Jul 64  
 Antigenic characteristics of spermatozoa from bulls, rams and boars. I. Erythrocytic antigens in bull spermatozoa. Matousek J.  
**J Reprod Fertil** 8:1-3, Aug 64  
 Antigenic characteristics of spermatozoa from bulls, rams and boars. 3. Absorption analysis, precipitins and fructolysis in relation to the antigenicity of bull spermatozoa. Matousek J.  
**J Reprod Fertil** 8:13-21, Aug 64  
 Evaluation of intradermal skin tests in penicillin hypersensitivity. Budd MA, et al.  
**JAMA** 190:203-5, 19 Sep 64  
 Instability of myelin antigens derived from human brain. Bohme D, et al. **Lancet** 2:886-8, 24 Oct 64  
 Subcellular transplantation antigen derived from dog spleen cells cultivated in vitro. Mannick JA, et al.  
**Proc Soc Exp Biol Med** 116:445-8, Jun 64  
 Induction of tolerance with disrupted antigen, imuran, and sublethal irradiation. McKneally MF, et al.  
**Surg Forum** 15:131-2, 1964  
 A simple method for the preparation of cell free transplantation antigens. Physical and biological properties. Monaco AP, et al.  
**Surg Forum** 15:133-5, 1964  
 Deficiency of effective histocompatibility antigens in pituitary and parathyroid tissue. Gittes RF, et al.  
**Surg Forum** 15:164-6, 1964  
 Immunogenicity of cell free extracts of neoplastic tissue. Pilch YH. **Surg Forum** 15:348-50, 1964  
 Role of the red blood cell antigens in homograft rejection. Jacobson E Jr, et al.  
**Surg Forum** 15:138-9, 1964

## ANTI-HISTAMINICS

- Controlled study of a new inhalant in asthma and bronchitis. el-Shaboury AH.  
**Brit Med J** 5416:1037-40, 24 Oct 64  
 Attempts at growth of Mycobacterium leprae in footpads of mice and guinea-pigs. Kirchheimer WF.  
**Int J Leprosy** 32:9-17, Jan-Mar 64  
 Resistance of antihistamine-treated guinea-pigs against infection with Mycobacterium leprae and M. lepraemurium. Kirchheimer WF.  
**Int J Leprosy** 32:1-8, Jan-Mar 64  
 Histamine and antihistamine in experimental ascites. Adesola AO, et al. **Surg Forum** 15:111-3, 1964  
 [Present status of the treatment of Parkinson's

- disease] Auquier L, et al.  
**Presse Med** 72:2531-4, 17 Oct 64 (Fr)

## ANTIHYPERTENSIVE AGENTS

- To-day's drugs. Bethanidine sulphate.  
**Brit Med J** 5413:865, 3 Oct 64  
 Drug therapy in leucine-sensitive hypoglycemia. Drash A, et al. **Metabolism** 13:487-92, Jun 64  
 The choice of hypotensive agents. Palmer KN.  
**Practitioner** 193:43-9, Jul 64

## ANTI-INFECTIVE AGENTS

- Phototoxic reaction with nalidixic acid. Zelickson AS.  
**JAMA** 190:556-7, 9 Nov 64

## ANTIMALARIALS

- Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al.  
**Arch Derm (Chicago)** 90:377-86, Oct 64

## ANTIMETABOLITES

- Cortical alterations due to methionine sulfoximine. Ultrastructure during seizure activity. Harris B.  
**Arch Neurol (Chicago)** 11:388-407, Oct 64  
 Antimetabolite therapy in midline lethal granuloma. Von Leden H, et al.  
**Arch Otolaryng (Chicago)** 80:460-8, Oct 64  
 Infusion chemotherapy for abdominal malignancies. Methodology and preliminary report. Nora PF, et al.  
**Arch Surg (Chicago)** 89:735-40, Oct 64  
 Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. **Cancer Res** 24:634-8, May 64  
 An analysis of the lack of drug synergism during sequential blockade of de novo pyrimidine biosynthesis. Rubin RJ, et al.  
**Cancer Res** 24:1002-7, Jul 64  
 Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al.  
**New Eng J Med** 271:1021-7, 12 Nov 64  
 DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al.  
**Proc Soc Exp Biol Med** 116:705-12, Jul 64

## ANTIMONY

- Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with Schistosoma mansoni. Browne HG, et al. **Amer J Trop Med** 13:558-71, Jul 64  
 Bilharziasis: report of a case treated with TWSb. Rosenthal MG, et al. **J Urol** 92:72-4, Jul 64

## ANTINEOPLASTIC AGENTS

- Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN.  
**Amer J Path** 44:973-81, Jun 64  
 Infusion chemotherapy for abdominal malignancies. Methodology and preliminary report. Nora PF, et al.  
**Arch Surg (Chicago)** 89:735-40, Oct 64  
 Destruction of malignant cells in peritoneal cavity. Experimental use of a chemotherapeutic agent. McKibbin B. **Arch Surg (Chicago)** 89:691-4, Oct 64  
 The treatment of malignant tumours of bone in the dog by intra-arterial injection or perfusion of epodyl (triethyleneglycol diglycidyl ether). Owen LN.  
**Brit J Cancer** 18:407-18, Jun 64  
 End-product inhibition of thymidine kinase activity in normal and leukemic human leukocytes. Bresnick E, et al. **Cancer Res** 24:841-6, Jun 64  
 Biochemical and carcinostatic effects of 2'-deoxythioguanosine. LePage GA, et al.  
**Cancer Res** 24:835-40, Jun 64  
 Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. **Cancer Res** 24:634-8, May 64  
 Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. Rutman RJ, et al.  
**Cancer Res** 24:626-33, May 64  
 Metabolism and distribution of 9-beta-D-arabinofuranosyladenine in mouse tissues. Brink JJ, et al. **Cancer Res** 24:1042-9, Jul 64  
 Studies with the murine leukemogenic Rauscher virus. 3. An in vivo assay for anti-viral agents. Chirigos MA.  
**Cancer Res** 24:1035-41, Jul 64  
 Treatment of experimental ascites tumors with crystalline ribonuclease. Podolsky S, et al.  
**Curr Ther Res** 6:387-93, May 64  
 Pseudo-feedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. McCollister RJ, et al.  
**J Biol Chem** 239:1560-3, May 64



Combined therapy in malignant disease.

*Lancet* 2:797-9, 10 Oct 64

Alkylating agents and iodophor compounds for the prevention of local recurrence of cancer. Vernick JJ, et al. *Surg Forum* 15:336-8, 1964

[Trial treatment of chronic myeloid leukemia with dibromomannitol] Mathé G, et al. *Presse Med* 72:2135-6, 12 Sep 64 (Fr)

[The cultivation of human cancer tissue in tissue culture and determination of its sensitivity towards new cytostatics] Limburg H, et al. *Deutsch Med Wschr* 89:1938-46, 9 Oct 64 (Ger)

## ANTISEPSIS

Ultra-clean ward for cancer chemotherapy. Bagshawe

KD. *Brit Med J* 5413:871-2, 3 Oct 64

Isolators. *Brit Med J* 5413:835-6, 3 Oct 64

## ANTISEPTICS

Effects of bithionol against *Paragonimus kellicotti* in rats. Waltz JA, et al. *Amer J Trop Med* 13:584-8, Jul 64

A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al. *J Amer Geriatr Soc* 12:771-5, Aug 64

## ANTITUBERCULAR AGENTS

In vitro tests with 4,4'-diisooamyloxythiocarbanilide.

Eldus L, et al. *Amer Rev Resp Dis* 90:258-60, Aug 64

Comparative study between bacteriologic findings in patients with pulmonary tuberculosis and bacteriology of surgically resected lung tissue. Amadio GE, et al. *Dis Chest* 46:37-41, Jul 64

The genesis of adenolymphoma. Azzopardi JG, et al. *J Path Bact* 88:213-8, Jul 64

[Chemo-antibiotic therapy of tuberculosis in diabetics and its repercussions on glucide metabolism] Filla E, et al. *Minerva Med* 55:2417-22, 18 Aug 64 (It)

## ANTITUSSIVE AGENTS

Dihydrocodeine as a cough suppressant.

*Practitioner* 193:86-8, Jul 64

[Therapeutic trials of a new injectable antitussive agent: Kat-256] Dumon G, et al. *Presse Med* 72:2389-90, 3 Oct 64 (Fr)

[Life-threatening naphthalene poisoning in an infant due to Vaporin vapors] Hanssler H. *Deutsch Med Wschr* 89:1794-7, 18 Sep 64 (Ger)

## ANTIVIRAL AGENTS

Cytosine arabinoside (CA) and other nucleosides in herpes virus infections. Underwood GE, et al. *Arch Ophthalmol* (Chicago) 72:505-12, Oct 64

Corneal toxicity of cytosine arabinoside. Kaufman HE, et al. *Arch Ophthalmol* (Chicago) 72:535-40, Oct 64

Antiviral activity of 3,5 diiodo-4-hydroxybenzenesulfonamide in chick embryo lung tissue culture. Kundin WD, et al. *Proc Soc Exp Biol Med* 116:425-7, Jun 64

Studies on viral inhibitors of biological origin. I. Inhibition of viral replication by protein-like constituents of bacteria. Carver DH, et al. *Proc Soc Exp Biol Med* 116:548-52, Jun 64

## ANURIA

Anuria due to uric acid crystalluria: an unusual complication of therapy in the reticuloses. Conolly ME, et al. *Brit J Cancer* 18:247-51, Jun 64

[Anuria caused by acute interstitial nephropathy in the course of prolonged phenindione treatment] Rapin M, et al. *Presse Med* 72:2279-84, 23 Sep 64 (Fr)

## ANUS

Anal incontinence. Caldwell KP, et al.

*Lancet* 2:761-2, 3 Oct 64

## ANXIETY

Alopecia areata: an apparent relationship to psychic factors. Sandok BA.

*Amer J Psychiat* 121:184-5, Aug 64

Modern concepts in the management of anxiety and depression in the aged and infirm. Riccitelli ML. *J Amer Geriatr Soc* 12:652-7, Jul 64

## AORTA

Autoradiographic demonstration of ingested cholesterol-4-C-14 in the normal and atheromatous aorta. Schlant RC, et al. *Amer J Path* 44:877-87, Jun 64

Combined percutaneous retrograde aortic and transseptal left heart catheterization. Peckham GB, et al. *Brit Heart J* 26:460-8, Jul 64

Alveolar capillary temperature compared with aortic and bronchial wedge temperatures. Edwards AW. *J Appl Physiol* 19:760-4, Jul 64

Effect of adrenaline on aortic structure and serum

cholesterol in *Macaca radiata*. Jagannathan SN, et al. *J Atheroscler Res* 4:335-45, Jul-Aug 64

Oxidative phosphorylation in aortic homogenates. Wollemann M, et al.

*J Atheroscler Res* 4:367-9, Jul-Aug 64

Serum and aortic lipids in rabbits fed cholesterol and linoleic acid stereoisomers. Weigensberg BI, et al. *J Nutr* 83:314-24, Aug 64

Diagnosis of placenta praevia by aortography.

Alnsworth J, et al.

*Proc Roy Soc Med* 57:697-700, Aug 64

Cardiac hypothermia versus coronary perfusion during aortic occlusion. Austen WG. *Surg Forum* 15:206-8, 1964

Gradual closure of aortopulmonary septal defects. Reis RL, et al. *Surg Forum* 15:266-7, 1964

Relationship of ventricular pressure, aortic pressure and flow, and their alteration by the Starr aortic valve. Brockman SK, et al. *Surg Forum* 15:255-7, 1964

[Constitutional arterial exiguities: a probable factor in thrombo-arteriosis of the Buerger type] Wertheimer P, et al. *Presse Med* 72:2259-64, 23 Sep 64 (Fr)

## AORTA, ABDOMINAL

Abdominal aortic aneurysm with vena caval fistula. Report of a case with observations on an unusual clinical course. Vander Veer JB, et al.

*Arch Intern Med* (Chicago) 114:551-4, Oct 64

In vitro effects of vasopressor agents on the metabolism of the vascular wall. Hollander W, et al. *Circulation* 30:Suppl 2:1-10, Aug 64

Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Burton GW, et al. *Lancet* 2:782-5, 10 Oct 64

Venous replacement with synthetic graft covered with canine pseudointima. Inokuchi K, et al. *Lancet* 2:700, 20 Sep 64

Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. Harrison TS, et al. *New Eng J Med* 271:985-9, 5 Nov 64

The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64

A congenital anomaly of the aorto-iliac bifurcation. Haeften FF van. *Vasc Dis* 1:109-12, Mar 64

## AORTA, THORACIC

Paraplegia from compression caused by saccular aortic aneurysm with recovery. Davie JC.

*J Neurosurg* 20:1005-8, Nov 63

Prevention of spinal cord ischemia incident to extensive mobilization of the thoracic aorta from the posterior parietes. Edwards RH, et al.

*Surg Forum* 15:285-7, 1964

## AORTIC ANEURYSM

Abdominal aortic aneurysm with vena caval fistula. Report of a case with observations on an unusual clinical course. Vander Veer JB, et al.

*Arch Intern Med* (Chicago) 114:551-4, Oct 64

Paraplegia from compression caused by saccular aortic aneurysm with recovery. Davie JC. *J Neurosurg* 20:1005-8, Nov 63

Dissecting aneurysm in a ram. Manley GW, et al. *J Path Bact* 88:320-2, Jul 64

Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Burton GW, et al. *Lancet* 2:782-5, 10 Oct 64

Ruptured aneurysms of the abdominal aorta; a reappraisal. Mannick JA, et al.

*New Eng J Med* 271:915-20, 29 Oct 64

Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. Harrison TS, et al. *New Eng J Med* 271:985-9, 5 Nov 64

Peripheral angiography: a clinical evaluation. Rose S. *Vasc Dis* 1:64-76, Jan 64

Superior mesenteric artery calcification masquerading as abdominal aortic aneurysm. Its demonstration by intravenous aortography. Schreiber MH. *Vasc Dis* 1:209-11, Jul 64

## AORTIC ARCH SYNDROMES

The "subclavian steal" syndrome. Clinical and roentgenological observations in 8 cases. Kyllönen KE, et al. *Ann Chir Gynaec Fenn* 53:305-14, 1964

Pulseless disease. Jain IS, et al. *Brit J Ophthalmol* 47:304-7, May 63

Takayasu's arteritis: aortic carotid bypass. Estid M, et al. *Vasc Dis* 1:96-108, Mar 64

## AORTIC COARCTATION

Supravalvular aortic stenosis. Underdevelopment and characteristic facies. Farrehi C, et al.

*Amer J Dis Child* 108:335-40, Oct 64

Familial supravalvular aortic stenosis. Eisenberg R, et al. *Amer J Dis Child* 108:341-7, Oct 64

Surgical aspects of heart disease in infants under the age of two years. Gerbode F, et al. *Amer J Surg* 108:224-32, Aug 64

Coarctation of the aorta. Diagnostic and surgical

problems. Margileth AM, et al. *Arch Surg* (Chicago) 39:741-51, Oct 64

Finger-print patterns in congenital heart disease. Sánchez Cascos A. *Brit Heart J* 26:524-7, Jul 64

Diagnostic cineangiocardiology. Rowe GG, et al. *Vasc Dis* 1:45-53, Jan 64

## AORTIC DISEASES

Atherosclerosis in different parts of the arterial system. Bjurulf P. *Amer Heart J* 68:41-50, Jul 64

Autoradiographic demonstration of ingested cholesterol-4-C-14 in the normal and atheromatous aorta. Schlant RC, et al. *Amer J Path* 44:877-87, Jun 64

The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. Moore JH, et al. *Brit J Nutr* 18:431-48, 1964

Relation of diffuse aortic calcification to atherosclerotic calcification. Blankenhorn DH. *J Atheroscler Res* 4:313-24, Jul-Aug 64

Histochemical demonstration of heparin precipitating lipids in atherosclerotic aortas. Mustakallio KK, et al. *J Atheroscler Res* 4:370-2, Jul-Aug 64

Demonstration of fibrin in yellow aortic streaks by the fluorescent antibody technique. Wyllie JC, et al. *J Path Bact* 88:335-8, Jul 64

Spontaneous "atheroma" in sheep. Roser BJ, et al. *J Path Bact* 88:73-8, Jul 64

A congenital anomaly of the aorto-iliac bifurcation. Haeften FF van. *Vasc Dis* 1:109-12, Mar 64

## AORTIC RUPTURE

Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. Williams KR, et al. *Arch Surg* (Chicago) 89:663-5, Oct 64

Ruptured aneurysms of the abdominal aorta; a reappraisal. Mannick JA, et al. *New Eng J Med* 271:915-20, 29 Oct 64

Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. Simpson CF, et al.

*Proc Soc Exp Biol Med* 116:334-6, Jun 64

## AORTIC STENOSIS

Angiocardiographic measurements in congenital heart disease in infancy and childhood. II. Size of left atrium. Arvidsson H.

*Acta Radiol* [Diagn] (Stockholm) 2:353-64, Jul 64

Familial supravalvular aortic stenosis. Eisenberg R, et al. *Amer J Dis Child* 108:341-7, Oct 64

Supravalvular aortic stenosis. Underdevelopment and characteristic facies. Farrehi C, et al.

*Amer J Dis Child* 108:335-40, Oct 64

Surgical aspects of heart disease in infants under the age of two years. Gerbode F, et al.

*Amer J Surg* 108:224-32, Aug 64

Mitral stenosis and mitral commissurotomy. Pre- and postoperative observations. Palohelmo J, et al. *Ann Chir Gynaec Fenn* 53:289-304, 1964

Finger-print patterns in congenital heart disease. Sánchez Cascos A. *Brit Heart J* 26:524-7, Jul 64

Diagnostic value of the first and second derivatives of the arterial pressure pulse in aortic valve disease and in hypertrophic subaortic stenosis. Mason DT, et al. *Circulation* 30:90-100, Jul 64

Accuracy of the phonocardiogram in assessing severity of aortic and pulmonic stenosis. Gamboa R, et al. *Circulation* 30:35-46, Jul 64

Aneurysm of interventricular septum with subaortic stenosis. Yarom R, et al. *J Path Bact* 88:93-5, Jul 64

Horseshoe kidney and calcific stenosis of the underlying terminal aorta in a newborn infant: report of a case. Cronk RV, et al. *J Urol* 92:6-8, Jul 64

Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog. Miller AJ, et al.

*Proc Soc Exp Biol Med* 116:392-4, Jun 64

Roentgenographic clues to the cardiac hemodynamics of aortic stenosis. Rockoff SD, et al.

*Radiology* 83:58-62, Jul 64

## AORTIC VALVE

Relationship of ventricular pressure, aortic pressure and flow, and their alteration by the Starr aortic valve. Brockman SK, et al. *Surg Forum* 15:255-7, 1964

## AORTIC VALVE DISEASES

Combined percutaneous retrograde aortic and transseptal left heart catheterization. Peckham GB, et al. *Brit Heart J* 26:460-8, Jul 64

The haemodynamic implications of the bisferiens pulse. Ikram H, et al. *Brit Heart J* 26:452-9, Jul 64

Diagnostic value of the first and second derivatives of the arterial pressure pulse in aortic valve disease and in hypertrophic subaortic stenosis. Mason DT, et al. *Circulation* 30:90-100, Jul 64

Direct determinations of aortic regurgitant flow in man. Brawley RK, et al. *Surg Forum* 15:259-61, 1964

Diagnostic cineangiocardiology. Rowe GG, et al. *Vasc Dis* 1:45-53, Jan 64



[Aortic insufficiency with anginous symptomatology: its surgical treatment. (Apropos of 5 cases)] Soulié P, et al. *Presse Med* 72:2307-12, 26 Sep 64 (Fr)

## APES

A note on the cutaneous arterial vessels of some primates. Baccaredda-Boy A. *Angiologica* (Basel) 1:209-12, 1964

[The importance of the baboon, hamster and sand rat in experimental pathology] Ravina A. *Presse Med* 72:2243-4, 19 Sep 64 (Fr)

## APNEA

Changes in shunt flow, compliance, and volume of lungs during apneic oxygenation. Anthonisen NR. *Amer J Physiol* 207:235-8, Jul 64

A respiratory alarm for infants. Lipton EL, et al. *J Pediatr* 65:294-6, Aug 64

Apnea with intramuscular colistin therapy. Perkins RL. *JAMA* 190:421-4, 2 Nov 64

Enzymes and drug sensitivity. The genetics of serum cholinesterase 'deficiency' in relation to suxamethonium apnoea. Harris H. *Proc Roy Soc Med* 57:503-6, Jun 64

[Mechanical aspects of ventilation in anaphylactic shock in rabbits] Troquet J. *Int Arch Allerg* 24:356-72, 1964 (Fr)

[Hyperbaric oxygen chamber for newborn infants] Wanner J. *Deutsch Med Wschr* 89:1757-9, 11 Sep 64 (Ger)

## APPENDECTOMY

Recurrent appendicitis. Incidence and prophylaxis. Befeler D. *Arch Surg* (Chicago) 89:666-8, Oct 64

Hernial appendicitis. Mitchell JE. *Brit J Clin Pract* 18:419-21, Jul 64

Retrograde appendicectomy. Ker H. *Lancet* 2:889, 24 Oct 64

## APPENDICEAL NEOPLASMS

Cutaneous ureterostomy in a case of malignant carcinoid obstructing the ureters. Pringle R, et al. *Brit J Urol* 36:194-7, Jun 64

## APPENDICITIS

Acute appendicitis--when is it right to be wrong? Hobson T, et al. *Amer J Surg* 108:306-12, Aug 64

Recurrent appendicitis. Incidence and prophylaxis. Befeler D. *Arch Surg* (Chicago) 89:666-8, Oct 64

Hernial appendicitis. Mitchell JE. *Brit J Clin Pract* 18:419-21, Jul 64

## APPETITE

Dose response to carbachol and norepinephrine in rat hypothalamus. Miller NE, et al. *Amer J Physiol* 206:1384-8, Jun 64

Some factors influencing short-term food intake of the goldfish. Rozin PN, et al. *Amer J Physiol* 206:1430-6, Jun 64

Effects of parathyroid extract, calciferol, hytakerol and crystalline dihydrotachysterol on feed consumption in normal lactating rats. Djojoseobagio S, et al. *Proc Soc Exp Biol Med* 116:646-8, Jul 64

## APPETITE DISORDERS

Geophagia with iron deficiency and hypokalemia. Cachexia africana. Mengel CE, et al. *Arch Intern Med* (Chicago) 114:470-4, Oct 64

Multiple deficiency state associated with isoniazid therapy. Aspinall DL. *Brit Med J* 5418:1177-8, 7 Nov 64

## AQUEOUS HUMOR

Bilateral malignant glaucoma. Case report of simultaneous malignant glaucoma occurring three years after glaucoma surgery. Hoshiwara I. *Arch Ophthalm* (Chicago) 72:601-3, Nov 64

Evaluation of sustained-release acetazolamide. Mestre C, et al. *Brit J Ophthalm* 47:31-5, Jan 63

Cholesterol crystals in the anterior chamber. Kumar S. *Brit J Ophthalm* 47:295-9, May 63

The reformation of the anterior chamber with polyvinylpyrrolidone. King JH Jr, et al. *Southern Med J* 57:1369-72, Nov 64

## ARACHNODACTYLY

Pathological findings in homocystinuria. Gibson JB, et al. *J Clin Path* 17:427-37, Jul 64

Cardiac conduction in the Marfan syndrome. *JAMA* 190:239, 19 Sep 64

## ARACHNOID

Neurogenic intermittent claudication. Evans JG. *Brit Med J* 5415:985-7, 17 Oct 64

Fate of blood in the subarachnoid space. Kennady JC, et al. *Surg Forum* 15:424-5, 1964

## ARBOVIRUS

Epidemic hemorrhagic fever in Bolivia. II.

Demonstration of complement-fixing antibody in patients' sera with junin virus antigen. Wiebenga NH, et al. *Amer J Trop Med* 13:626-8, Jul 64

Virological findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand. Hammon WM, et al. *Amer J Trop Med* 13:629-41, Jul 64

A new virus, "MML", enzootic in bats (*Myotis lucifugus*) of Montana. Bell JF, et al. *Amer J Trop Med* 13:607-12, Jul 64

Laboratory studies with wild rodents and viruses native to Trinidad. I. Studies on the behavior of cocal virus. Jonkers AH, et al.

*Amer J Trop Med* 13:613-9, Jul 64

Plaque assay procedure for Colorado tick fever virus. Deig EF, et al. *J Bact* 88:43-7, Jul 64

Virus biographies. I. Growth of West Nile and Guaroa viruses in tissue culture. Southam CM, et al. *J Bact* 88:187-99, Jul 64

Plaque assay procedure for Colorado tick fever virus. Deig EF, et al. *J Bact* 88:43-7, Jul 64

Applicability of the HeLa (Gey) strain of human malignant epithelial cells to the propagation of arboviruses. Buckley SM.

*Proc Soc Exp Biol Med* 116:354-8, Jun 64

Studies on viral inhibitors of biological origin. I. Inhibition of viral replication by protein-like constituents of bacteria. Carver DH, et al. *Proc Soc Exp Biol Med* 116:548-52, Jun 64

## ARBOVIRUS INFECTIONS

Arthropod-borne encephalitis viruses in northeastern South America. I. A serological survey of northeastern Surinam. Jonkers AH, et al. *Trop Geogr Med* 16:135-45, Jun 64

## ARGENTAFFINOMA

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-6, Aug 64

The pathology of testicular tumours. Miscellaneous tumours of mainly epithelial type. Brown NJ. *Brit J Urol* 36:Suppl:70-7, Jun 64

Cutaneous ureterostomy in a case of malignant carcinoid obstructing the ureters. Pringle R, et al. *Brit J Urol* 36:194-7, Jun 64

## ARGINASE

Urea production and excretion by the chicken kidney. Owen EE, et al. *Amer J Physiol* 206:1321-6, Jun 64

The action of the carcinogen N-(2-fluorenyl)acetamide on rat liver catalase and arginase in vivo. King CM, et al. *Cancer Res* 24:770-9, Jun 64

Urea cycle adaptations in intact and adrenalectomized rats. Freedland RA. *Proc Soc Exp Biol Med* 116:692-6, Jul 64

Cold preservation of liver for homotransplantation. Brown H, et al. *Surg Forum* 15:215-7, 1964

## ARGININE

Urea production and excretion by the chicken kidney. Owen EE, et al. *Amer J Physiol* 206:1321-6, Jun 64

Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Ishai R, et al. *J Bact* 87:1436-42, Jun 64

Assay of urokinase preparations with the synthetic substrate acetyl-L-lysine methyl ester. Sherry S, et al. *J Lab Clin Med* 64:145-53, Jul 64

Argininosuccinic aciduria in monilethrix. Grosfeld JC, et al. *Lancet* 2:789-91, 10 Oct 64

## ARM

Follow-up notes on articles previously published in the Journal. Cineplasty--ten years later. Brav EA, et al. *J Bone Joint Surg* [Amer] 46:1137-8, Jul 64

Local anaesthetic procedures for the arm and hand. Bromage PR. *Surg Clin N Amer* 44:919-23, Aug 64

Arm tourniquet tolerance in unanesthetized adults. Bennett JE, et al. *Surg Forum* 15:463-5, 1964

## ARM INJURIES

Successful treatment of causalgia of upper extremity with medullary spinothalamic tractotomy. Case report and review of the literature. Birkenfeld R, et al. *J Neurosurg* 20:303-11, Apr 63

The diagnosis and treatment of arterial injuries of the upper extremity. MacLean LD. *Surg Clin N Amer* 44:1037-47, Aug 64

## ARRHENOBlastoma

Arrhenoblastoma. Review of the literature and report of a case. Fontana AL, et al. *Obstet Gynec* 23:730-4, May 64

## ARRHYTHMIA

ECG changes after cerebral stimulation. I. Anomalous atrioventricular excitation elicited by electrical stimulation of the mesencephalic reticular formation. Mauck HP Jr, et al. *Amer Heart J* 68:98-101, Jul 64

Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. Popper RW, et al. *Amer Heart J* 68:32-7, Jul 64

On sudden death. Pruitt RD. *Amer Heart J* 68:111-8, Jul 64

Cardiac arrhythmias produced by catecholamines in anesthetized dogs. Moore EN, et al. *Circ Res* 15:77-82, Jul 64

Electrocardiographic changes in hypothyroidism. Adams CW. *Dis Chest* 48:87-8, Jul 64

Angina pectoris and arrhythmias documented by cardiac telemetry. Norland CC, et al. *JAMA* 190:115-8, 12 Oct 64

Reversal of digitals intoxication by beta-adrenergic blockade with pronethalol. Taylor RR, et al. *New Eng J Med* 271:877-82, 22 Oct 64

Ideal wave form and characteristics for direct current defibrillators. Detmer RA, et al. *Surg Forum* 15:249-51, 1964

## ARSENIC

Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. Beppu M, et al. *J Bact* 88:151-7, Jul 64

Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. Arima K, et al. *J Bact* 88:143-50, Jul 64

Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. Beppu M, et al. *J Bact* 88:151-7, Jul 64

Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. Arima K, et al. *J Bact* 88:143-50, Jul 64

Radioisotopic localization in subdural hematomas. An experimental study with arsenic-74 and radiiodinated human serum albumin in dogs. Mealey J Jr. *J Neurosurg* 20:770-6, Sep 63

An experimental study of tissue-concentration ratios of As74 arsenate and labeled organic conjugates. McQueen JD, et al. *J Neurosurg* 21:641-6, Aug 64

## ARSPHENAMINES

[Animal experimental studies on the problem of arsphenamine thrombopenia] Däppen U, et al. *Int Arch Allerg* 24:Suppl:9-12, 1964 (Ger)

## ARTERIES

Immediate responses of collateral vessels to abrupt arterial occlusion. Roy AJ, et al. *Amer J Physiol* 206:1299-303, Jun 64

Prolonged arteriospasm after ergotamine. Cameron EA, et al. *Brit Med J* 5413:875-6, 3 Oct 64

Effects of guanethidine, reserpine, and methyl dopa on reflex venous and arterial constriction in man. Mason DT, et al. *J Clin Invest* 43:1449-63, Jul 64

Aneurysm of the spermatic artery. Bush IM, et al. *J Urol* 92:47-50, Jul 64

Symptomatic disseminated cystic medial necrosis. Report of a case with multiple arterial rupture. Read RC, et al. *New Eng J Med* 271:816-9, 15 Oct 64

[Arterial injuries seen belatedly. Their management] Natali J, et al. *Presse Med* 72:2273-8, 23 Sep 64 (Fr)

[Clinico-experimental studies on the collateral arterial circulation of extremities] Kappert A. *Angiologica* (Basel) 1:227-38, 1964 (Ger)

## ARTERIOSCLEROSIS

Atherosclerosis in different parts of the arterial system. Bjurulf P. *Amer Heart J* 68:41-50, Jul 64

Estrogenic hormones, urethral cornification, and arteriosclerotic vascular disease in men. Dalldorf FG. *Amer J Clin Path* 42:64-8, Jul 64

Autoradiographic demonstration of ingested cholesterol-4-C-14 in the normal and atheromatous aorta. Schlant RC, et al. *Amer J Path* 44:877-87, Jun 64

Femoropopliteal endarterectomy: operative modifications and consideration of effects of outflow lesions. Wylie EJ, et al. *Amer J Surg* 108:215-23, Aug 64

Rheologic approach to thrombosis and atherosclerosis. Dintenfass L. *Angiology* 15:333-43, Aug 64

Lower animals, spontaneous disease, and man. Leader RW. *Arch Path* (Chicago) 78:390-404, Oct 64

The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. Moore JH, et al. *Brit J Nutr* 18:431-48, 1964

Sedentary leg-pain: ischaemia from narrowing on hip flexion of femoral arteries stiffened by atheroma. Rudolf ND, et al. *Brit Med J* 5413:863, 3 Oct 64

A case of hypertension with ischaemic kidney demonstrated at the Postgraduate Medical School of London. *Brit Med J* 5414:923-6, 10 Oct 64



A clinical study of ethchlorvynol in cardiac patients. *Blinder S. Curr Ther Res* 6:373-8, May 64

The synergism of x-irradiation and cholesterol-fat feeding on the development of coronary artery lesions. Amromin GD, et al.

*J Atheroscler Res* 4:325-34, Jul-Aug 64

Cardiovascular disease in the Masai. Mann GV, et al. *J Atheroscler Res* 4:289-312, Jul-Aug 64

Relation of diffuse aortic calcification to atherosclerotic calcification. Blankenhorn DH. *J Atheroscler Res* 4:313-24, Jul-Aug 64

Oxydative phosphorylation in aortic homogenates. Wollemann M, et al.

*J Atheroscler Res* 4:367-9, Jul-Aug 64

Effect of adrenaline on serum lipid stability in rabbits. Wilkens JA, et al.

*J Atheroscler Res* 4:346-50, Jul-Aug 64

Histochemical demonstration of heparin precipitating lipids in atherosclerotic aortas. Mustakallio KK, et al. *J Atheroscler Res* 4:370-2, Jul-Aug 64

Static atherosclerotic occlusive lesion: a five-year "watch" on a carotid stenosis: report of a case. Lindner DW, et al. *J Neurosurg* 20:158-60, Feb 63

Serum and aortic lipids in rabbits fed cholesterol and linoleic acid stereoisomers. Weigensberg BI, et al. *J Nutr* 63:314-24, Aug 64

Demonstration of fibrin in yellow aortic streaks by the fluorescent antibody technique. Wyllie JC, et al. *J Path Bact* 88:335-8, Jul 64

Spontaneous "atheroma" in sheep. Roser BJ, et al. *J Path Bact* 88:73-8, Jul 64

Case records of the Massachusetts General Hospital. Case 53-1964. *New Eng J Med* 271:953-9, 29 Oct 64

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51-1964. *New Eng J Med* 271:837-45, 15 Oct 64

Experimental primate atherogenesis. Stephenson SE Jr, et al. *Surg Forum* 15:287-8, 1964

Peripheral angiography: a clinical evaluation. Rose S. *Vasc Dis* 1:64-76, Jan 64

A congenital anomaly of the aorto-iliac bifurcation. Haeften FF van. *Vasc Dis* 1:109-12, Mar 64

Thromboangiitis obliterans: with special reference to coagulation and clot lysis. Ende N. *Vasc Dis* 1:83-8, Mar 64

## ARTERIOSCLEROSIS OBLITERANS

[Constitutional arterial exiguities: a probable factor in thrombo-arteriosis of the Buerger type] Wertheimer P, et al. *Presse Med* 72:2259-64, 23 Sep 64 (Fr)

[Clinico-experimental studies on the collateral arterial circulation of extremities] Kappert A. *Angiologica (Basel)* 1:227-38, 1964 (Ger)

## ARTHRITIS

Primer on the rheumatic diseases. 3. *JAMA* 190:509-30, 9 Nov 64

Diabetes mellitus in patients with gouty arthritis. Ishmael WK, et al. *JAMA* 190:396-8, 26 Oct 64

Primer of the rheumatic diseases. I. *JAMA* 190:127-40, 12 Oct 64

[The synovial raisin cell. Its value in the diagnosis of rheumatic diseases] Delbarre F, et al. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)

## ARTHRITIS, JUVENILE

### RHEUMATOID

Pseudotumor cerebri in children secondary to administration of adrenal steroids. Cohn GA. *J Neurosurg* 20:784-6, Sep 63

Cardiopulmonary manifestations of rheumatoid disease in childhood. Jordan JD. *Southern Med J* 57:1273-7, Nov 64

## ARTHRITIS, RHEUMATOID

Eofinophilic pleural effusion: a review with the presentation on seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Eosinophilic pleural effusion: a review with the presentation of seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64

Hemolytic complement in synovial fluid. Pekin TJ Jr, et al. *J Clin Invest* 43:1372-82, Jul 64

Norethynodrel with mestranol in treatment of rheumatoid arthritis. Gilbert M, et al. *JAMA* 190:235, 19 Sep 64

Primer of the rheumatic diseases. I. *JAMA* 190:127-40, 12 Oct 64

Case records of the Massachusetts General Hospital. Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64

The value and dangers of antimalarial therapy in arthritis with special relation to ophthalmic complications. Kersley GD. *Proc Roy Soc Med* 57:669-71, Aug 64

The combination of anabolic steroids and corticosteroids in the treatment of rheumatoid

arthritis. Beatty DC, et al. *Proc Roy Soc Med* 57:671-2, Aug 64

Surgical treatment of rheumatoid arthritis. Entin MA. *Surg Clin N Amer* 44:1081-90, Aug 64

[Agglutination reactions in rheumatoid polyarthritis] Mikol C, et al. *Presse Med* 72:2169-70, 12 Sep 64 (Fr)

[Pseudo-rheumatoid form of ankylosing spondylarthritis?] Coste F, et al. *Presse Med* 72:2295-8, 23 Sep 64 (Fr)

[Antibodies of the GM serum system during chronic evolutive polyarthritis] Jacqueline F, et al. *Presse Med* 72:2205-8, 19 Sep 64 (Fr)

[The synovial raisin cell. Its value in the diagnosis of rheumatic diseases] Delbarre F, et al. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)

## ARTHROBACTER

Use of *Arthrobacter terregens* for bioassay of mycobactin. Reich CV, et al. *J Bact* 87:1317-20, Jun 64

## ARTHRODESIS

Ischiofemoral "V" arthrodesis of the hip joint posterior approach. Howard RC. *Acta Orthop Scand* 34:251-7, 1964

## ARTHROPLASTY

Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64

Wound infections after surgery for fractured hip. A follow-up study. Murray DG. *JAMA* 190:505-8, 9 Nov 64

## ARTIFICIAL LIMBS

A statistical study of 12,000 new amputees. Glattly HW. *Southern Med J* 57:1373-8, Nov 64

## ASBESTOSIS

Socioeconomic aspects of the pneumoconioses. Trasko VM. *Arch Environ Health (Chicago)* 9:521-8, Oct 64

Asbestos pleurisy. Eisenstadt HB. *Dis Chest* 46:78-81, Jul 64

## ASCITES

Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64

Treatment of neoplastic effusions with chlorambucil. Zelenik JS, et al. *Obstet Gynec* 23:703-7, May 64

Histamine and antihistamine in experimental ascites. Adesola AO, et al. *Surg Forum* 15:111-3, 1964

Dynamics of blood, lymph, and ascitic fluid interchange. Adams JT, et al. *Surg Forum* 15:110-1, 1964

Gastric secretion in experimental liver disease. Baddeley RM, et al. *Surg Forum* 15:114-6, 1964

## ASCOMYCETES

Proline oxidases in *Hansenula subpelliculosa*. Ling CM, et al. *J Bact* 87:1462-70, Jun 64

## ASCORBIC ACID

Influence of thyroxine on the ribosomal synthesis of collagen. Malt RA, et al. *Surg Forum* 15:54-5, 1964

## ASPARTATE AMINOTRANSFERASE

Automated determination of serum glutamic oxalacetic and glutamic pyruvic transaminase. Schaffert RR, et al. *Clin Chem* 10:519-32, Jun 64

Pyridoxamine-oxaloacetic transaminase of rat kidney. Wu HL, et al. *J Biol Chem* 239:1492-7, May 64

Serum transaminase response to drum trauma in conditioned animals. Sievert HW, et al. *Proc Soc Exp Biol Med* 116:754-7, Jul 64

Glutamic oxalacetic transaminase isoenzymes in human myopathies. Kar NC, et al. *Proc Soc Exp Biol Med* 116:733-5, Jul 64

Effect of hyperbaric oxygenation on hepatic inflow occlusion. Jacobsen DS, et al. *Surg Forum* 15:198-200, 1964

## ASPARTIC ACID

Effects of aspartate on growth and on the synthesis of alpha-amylase in *Pseudomonas saccharophila*. Eisenstadt JM, et al. *J Bact* 87:1355-63, Jun 64

The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64

## ASPERGILLOSIS

Mycotic corneal ulcers. Agarwal LP, et al. *Brit J Ophthalmol* 47:109-15, Feb 63

Pulmonary aspergillosis: diagnostic and immunological

significance of antigens and C-substance in *Aspergillus fumigatus*. Longbottom JL, et al. *J Path Bact* 88:141-51, Jul 64

## ASPERGILLUS

Acute liver injury in ducklings as a result of aflatoxin poisoning. Butler WH. *J Path Bact* 88:189-96, Jul 64

## ASPHYXIA

Physiologic effects of chronic exposure to phosgene in dogs. Rossing RG. *Amer J Physiol* 207:265-72, Jul 64

Cumulative effects of oxygen lack on the electrical phenomena of the cochlea. Deutsch E. *Ann Otol* 73:348-57, Jun 64

## ASPHYXIA NEONATORUM

Umbilical cord. Stallabrax P. *Brit Med J* 5416:1070-1, 24 Oct 64

Resuscitation of newborn. Millar JR. *Brit Med J* 5416:1074-5, 24 Oct 64

The effects of anoxia on the newborn and adult rat lung. Seller MJ, et al. *J Path Bact* 88:309-11, Jul 64

Hyperbaric oxygen in resuscitation of the newborn. Hutchison JH, et al. *Lancet* 2:691-2, 20 Sep 64

Hyperbaric oxygen in resuscitation of the newborn. Dawes GS, et al. *Lancet* 2:910, 24 Oct 64

Neonatal respiratory distress associated with a high haematocrit reading. Gledion A. *Lancet* 2:913, 24 Oct 64

Hyperbaric oxygen in resuscitation of the newborn. Crawford JS. *Lancet* 2:815-6, 10 Oct 64

[Apropos of the procedure to follow in the case of newborn infants of diabetic mothers] Thoyer-Rozat J, et al. *Presse Med* 72:2541-2, 17 Oct 64 (Fr)

[Hyperbaric oxygen chamber for newborn infants] Wanner J. *Deutsch Med Wschr* 89:1757-9, 11 Sep 64 (Ger)

## ASPIRIN

Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al. *Arch Derm (Chicago)* 90:377-86, Oct 64

Alkaline diuresis in treatment of aspirin poisoning. Cumming G, et al. *Brit Med J* 5416:1033-6, 24 Oct 64

To-day's drugs. Treatment of acute poisoning. I. *Brit Med J* 5414:927-9, 10 Oct 64

Alkaline diuresis for salicylate intoxication. *Brit Med J* 5416:1021-2, 24 Oct 64

Birch pollen and aspirin psoriasis. A study in salicylate hypersensitivity. Shelley WB. *JAMA* 189:985-8, 28 Sep 64

Aspirin and gastric secretion. *Lancet* 2:682-3, 20 Sep 64

A micro method for analysis of plasma salicylate. Potter GD, et al. *Proc Soc Exp Biol Med* 116:658-60, Jul 64

Mechanism of gastric injury by aspirin. Menguy RB, et al. *Surg Forum* 15:315-7, 1964

## ASTATINE

Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Yokoro K, et al. *Cancer Res* 24:683-8, May 64

## ASTHMA

Controlled study of a new inhalant in asthma and bronchitis. el-Shaboury AH. *Brit Med J* 5416:1037-40, 24 Oct 64

Management of childhood asthma. The importance of vigorous therapy. Cavanaugh JJ, et al. *Clin Pediatr (Phila)* 3:405-8, Jul 64

An assessment of the fractional carbon monoxide uptake and its relationship to pulmonary diffusing capacity. Woolf CR. *Dis Chest* 46:181-9, Aug 64

Observations on the experimental reproduction of asthma with mold antigens. Colen J, et al. *J Allerg* 35:331-8, Jul-Aug 64

Mucoproteins and sputum viscosity. Burgi H. *Lancet* 2:644, 19 Sep 64

Removal of the carotid body for asthma and emphysema. Phillips JR. *Southern Med J* 57:1278-81, Nov 64

## ASTIGMATISM

Refraction anomalies in Tanganyikan children. Johnstone WW, et al. *Brit J Ophthalmol* 47:95-108, Feb 63

## ASTROCYTOMA

Mechanism of production of papilloedema. Primrose J. *Brit J Ophthalmol* 48:19-29, Jan 64

The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64

Tumours of the central nervous system in children. Yates PO. *J Clin Path* 17:418-22, Jul 64

The problem of multicentric gliomas. Batzdorf U, et al. *J Neurosurg* 20:122-36, Feb 63

Medulloblastomas and cerebellar sarcomas: a clinical



survey. *Berger EC, et al. J Neurosurg* 20:139-44, Feb 63

Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. Abraham J, et al. *J Neurosurg* 20:252-3, Mar 63

Meningioma and astrocytoma adjacent in the brain. Nagashima C, et al. *J Neurosurg* 20:995-9, Nov 63

Cryogenic freezing of brain tumors for excision or destruction *in situ*. Cooper IS, et al. *J Neurosurg* 20:921-30, Nov 63

Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. *J Neurosurg* 20:474-93, Jun 63

Intracavitary irradiation of malignant brain tumours. Drake CG, et al. *J Neurosurg* 20:428-34, May 63

Blood-group frequencies and astrocytomata. Garcia JH, et al. *J Neurosurg* 20:397-9, May 63

## ATAXIA

The interplay between cerebral hemispheres and cerebellum in relation to tonus and movements. Schneider RC, et al. *J Neurosurg* 20:188-98, Mar 63

## ATELECTASIS

Effect of negative-pressure breathing on lung mechanics and venous admixture. Velasquez T, et al. *J Appl Physiol* 19:665-71, Jul 64

Lung volume, compliance, and arterial oxygen tensions during controlled ventilation. Laver MB, et al. *J Appl Physiol* 19:725-33, Jul 64

Pulmonary exchange as related to altered pulmonary mechanics in anesthetized dogs. Collier CR, et al. *J Appl Physiol* 19:659-64, Jul 64

## ATHETOSIS

Paroxysmal choreoathetosis. Associated with perinatal hypoxic encephalopathy. Rosen JA. *Arch Neurol (Chicago)* 11:385-7, Oct 64

The interplay between cerebral hemispheres and cerebellum in relation to tonus and movements. Schneider RC, et al. *J Neurosurg* 20:188-98, Mar 63

Confusion and disturbance of speech from stimulation in vicinity of the head of the caudate nucleus. Van Buren JM. *J Neurosurg* 20:148-57, Feb 63

Campotomy in various extrapyramidal disorders. Spiegel EA, et al. *J Neurosurg* 20:871-84, Oct 63

## ATLAS

A variation of the atlas. Roentgenologic incidence of a bridge over the groove of the atlas for the vertebral artery. Romanus T, et al. *Acta Radiol [Diagn] (Stockholm)* 2:289-97, Jul 64

## ATOMIC ENERGY

Developing radiation protection standards. The role of the Atomic Energy Commission. Western F. *Arch Environ Health (Chicago)* 9:654-8, Nov 64

## ATOMIC WARFARE

On death and death symbolism: the Hiroshima disaster. Lifton RJ. *Psychiatry* 27:191-210, Aug 64

The dilemma of power: nuclear weapons and human reliability. Eggertsen PF. *Psychiatry* 27:211-8, Aug 64

## ATROPINE

Herpes zoster ophthalmicus in an 8-year-old child. Birks DA. *Brit J Ophthalmol* 47:60-1, Jan 63

Mydriasis and cycloplegia. Foggitt KD. *Brit J Ophthalmol* 47:253, Apr 63

Observations on adrenaline-induced fibrinolysis in man. Tanser AR, et al. *Clin Sci* 26:375-80, Jun 64

The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64

Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64

Influence of autonomic blockade on aconitine induced pulmonary edema. Wood CD, et al. *Proc Soc Exp Biol Med* 118:809-11, Jul 64

Use of the electroenterogram to determine pacemaker activity of the small intestine. Bunker CE, et al. *Surg Forum* 15:293, 1964

## AUDIOMETRY

The FIT test. Monaural threshold finding through binaural fusion. Bergman M. *Arch Otolaryng (Chicago)* 80:440-9, Oct 64

Hearing and related problems in childhood. Walker EA Jr. *Clin Pediat (Phila)* 3:414-7, Jul 64

## AURICULAR FIBRILLATION

Quinidine syncope. Paroxysmal ventricular fibrillation occurring during treatment of chronic atrial arrhythmias. Selzer A, et al. *Circulation* 30:17-26, Jul 64

Complications and limitations of direct-current countershock. Rabbino MD, et al. *JAMA* 190:417-20, 2 Nov 64

Ventricular tachycardia after synchronized direct-current countershock. Graf WS, et al. *JAMA* 190:470-1, 2 Nov 64

Complications of direct-current countershock. *JAMA* 190:465, 2 Nov 64

Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. Taylor RR, et al. *New Eng J Med* 271:877-82, 22 Oct 64

The racial incidence of the less common forms of heart disease at Groote Schuur Hospital, Cape Town, 1952-61. Schrire V. *S Afr Med J* 38:598-601, 15 Aug 64

## AURICULAR FLUTTER

Quinidine syncope. Paroxysmal ventricular fibrillation occurring during treatment of chronic atrial arrhythmias. Selzer A, et al. *Circulation* 30:17-26, Jul 64

Complications and limitations of direct-current countershock. Rabbino MD, et al. *JAMA* 190:417-20, 2 Nov 64

## AUSCULTATION

Genesis of Korotkoff sounds. Chungcharoen D. *Amer J Physiol* 207:190-4, Jul 64

Joseph Skoda (1805-1881)--Physical diagnostician. *JAMA* 190:240, 19 Sep 64

Perplexities of a periodic entity. Reimann HA. *JAMA* 190:241, 19 Sep 64

## AUTOANTIBODIES

The occurrence of an autoantibody in human uveitis. Aronson SB, et al. *Arch Ophthalmol (Chicago)* 72:621-5, Nov 64

Anti-lens antibody in human sera. Hackett E, et al. *Lancet* 2:663-6, 20 Sep 64

Anti-heart antibodies in the postpericardiotomy and the postmyocardial-infarction syndromes. Geld H van der. *Lancet* 2:617-21, 19 Sep 64

Thyroglobulin antibody activity in the gamma-globulins gamma-A, gamma-B and gamma-C of human serum. Lichter EA. *Proc Soc Exp Biol Med* 118:555-7, Jul 64

## AUTOIMMUNE DISEASES

Antimetabolite therapy in midline lethal granuloma. Von Leden H, et al. *Arch Otolaryng (Chicago)* 80:460-8, Oct 64

Auto-immunity in uveitis. Perkins ES, et al. *Brit J Ophthalmol* 48:81-9, Feb 64

Thymic changes in the mouse strain NZB in relation to the auto-immune state. Burnet FM, et al. *J Path Bact* 88:229-41, Jul 64

Electron microscopy of the thymus lesions in NZB mice. Abbot A, et al. *J Path Bact* 88:243-5, Jul 64

Autoimmune progesterone dermatitis. Cure by oophorectomy. Shelley WB, et al. *JAMA* 190:35-8, 5 Oct 64

Thymectomy in an infant with autoimmune haemolytic anaemia. Karaklis A, et al. *Lancet* 2:778-80, 10 Oct 64

The thymus in thyroid disease. Gunn A, et al. *Lancet* 2:776-8, 10 Oct 64

"Auer colitis" in rabbits induced by intrarectal antigen. Ford H, et al. *Proc Soc Exp Biol Med* 116:745-8, Jul 64

[Diseases with autoantibodies. Clinical and experimental data.] Mikol C, et al. *Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)

[Approes of autoimmune disease of the eye: phaco-antigen uveitis] Witmer R. *Int Arch Allerg* 24:Suppl58-64, 1964 (Ger)

## AUTOMATIC DATA PROCESSING

Adansonian analysis and deoxyribonucleic acid base composition of some gram-negative bacteria. Colwell RR, et al. *J Bact* 87:1412-22, Jun 64

Tabulation of vital records by computer. Gittelsohn AM, et al. *Public Health Rep* 79:895-904, Oct 64

## AUTOMATION

An automated method for the determination of serum bilirubin. Golub M. *Clin Chem* 10:399-405, May 64

## AUTOMOBILE DRIVER

### EXAMINATION

Safety at the wheel. *JAMA* 190:391, 26 Oct 64

## AUTONOMIC DRUGS

Neurohumors in hypothalamic substrates of reward. Olds J, et al. *Amer J Physiol* 207:242-54, Jul 64

## AUTONOMIC DYSFUNCTION

Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al. *Brain* 87:233-62, Jun 64

Autonomic changes during paroxysmal EEG activity. Johnson LC, et al. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64

## AUTONOMIC NERVE BLOCK

Quinine amblyopia treated by stellate ganglion block. McLenachan J. *Brit J Ophthalmol* 47:62-3, Jan 63

Cervical sympathetic block in treatment of Bell's palsy. A controlled trial. Fearnley ME, et al. *Lancet* 2:725-7, 3 Oct 64

Uterosacral block: a new diagnostic procedure. Desrosiers JA, et al. *Obstet Gynec* 23:671-7, May 64

Influence of autonomic blockade on aconitine induced pulmonary edema. Wood CD, et al. *Proc Soc Exp Biol Med* 118:809-11, Jul 64

Local anaesthetic procedures for the arm and hand. Bromage PR. *Surg Clin N Amer* 44:919-23, Aug 64

Cardiac dynamics and contractility after acetyl strophanthidin in the closed chest dog. Daggett WM, et al. *Surg Forum* 15:251-3, 1964

## AUTONOMIC NERVOUS SYSTEM

Effect of hemorrhagic shock on release of norepinephrine by tyramine. Harrison DC, et al. *Amer J Physiol* 208:1262-6, Jun 64

Hepatic anoxia and stimulation of hepatic nerves on renal hemodynamics and function. Hori M, et al. *Surg Forum* 15:108-9, 1964

## AUTOPSY

Official autopsy report on President Kennedy. (Kennedy JF). *JAMA* 190:98-100, 28 Oct 64

## AVIATION

The first half-million miles. Cummins CF, et al. *Med J Aust* 2:348-52, 29 Aug 64

## AVIATION MEDICINE

The vestibular Coriollis reaction. Fernandez C, et al. *Arch Otolaryng (Chicago)* 80:469-72, Oct 64

## AVITAMINOSIS

In vivo inhibition of lipogenesis by biotin deficiency. Donaldson WE. *Proc Soc Exp Biol Med* 116:662-4, Jul 64

## AVOIDANCE LEARNING

Influence of anterior pituitary on avoidance learning and escape behavior. De Wied D. *Amer J Physiol* 207:255-9, Jul 64

Electroencephalographic waves with voluntary movement. Study in the rat. Vanderwolf CH, et al. *Arch Neurol (Chicago)* 11:379-84, Oct 64

Vitamin B 6 deficiency and the initial acquisition of behavior. Sloane HN Jr, et al. *J Nutr* 83:379-84, Aug 64

Stress and susceptibility to viral infections. 3. Antibody response and viral retention during avoidance learning stress. Yamada A, et al. *Proc Soc Exp Biol Med* 116:677-80, Jul 64

## AWARDS AND PRIZES

Presentation to Rupert E. Billingham, D.Sc., F.R.S., of the honorary award of the American Association of Plastic Surgeons. (Billingham RE), et al. *Plast Reconstr Surg* 34:117-20, Aug 64

Honorary award acceptance speech. Billingham RE. *Plast Reconstr Surg* 34:121-2, Aug 64

## AXONS

Fast-conducting fibres in the mitral valve. Williams TH. *Brit Heart J* 26:554-7, Jul 64

## AZAGUANINE

Pseudofeedback inhibition of purine synthesis by 6-mercaptapurine ribonucleotide and other purine analogues. McCollister RJ, et al. *J Biol Chem* 239:1560-3, May 64

## AZASERINE

Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64

Differential skin and renal homograft survival in dogs on immunosuppressive therapy. Shell AG, et al. *Surg Forum* 15:166-8, 1964



## AZEPINES

[A new anti-epileptic agent: carbamylidbenzazepine or 5-carbamoyl-5-H-dibenz(b,f)azepine (G-32,883)]  
Sigwald J, et al. *Presse Med* 72:2323-4, 26 Sep 64 (Fr)

## AZO COMPOUNDS

Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA. *Cancer Res* 24:619-25, May 64  
Changes in the adenylic acid deaminase activity of rat liver during carcinogenesis. Kizer DE, et al. *Cancer Res* 24:1050-5, Jul 64  
Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. De Lamirande G. *Cancer Res* 24:742-50, May 64  
The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. Margreth A, et al. *Cancer Res* 24:920-5, Jun 64  
Preparation and properties of water-insoluble derivatives of urease. Riesel E, et al. *J Biol Chem* 239:1521-4, May 64  
Staining patterns of phosphatases of the central nervous system with azo-dye methods. Kaluza JS, et al. *J Neuropath Exp Neurol* 23:477-85, Jul 64  
An experimental study of tissue-concentration ratios of As74 arsenate and labeled organic conjugates. McQueen JD, et al. *J Neurosurg* 21:641-6, Aug 64

## BACILLUS

Transformation to prototrophy and polyglutamic acid synthesis in *Bacillus licheniformis*. Leonard CG, et al. *J Bact* 88:220-5, Jul 64

## BACILLUS ANTHRACIS

Immunofluorescent staining of *Bacillus anthracis* in dried beef. Biegeleisen JZ Jr. *J Bact* 88:260-1, Jul 64

## BACILLUS CEREUS

Immunological specificities of spore and vegetative cell catalases of *Bacillus cereus*. Norris JR, et al. *J Bact* 88:264-5, Jul 64  
Mode of inhibition of sporulation of *Bacillus cereus* by ethyl malonate and ethyl succinate. Kominek LA, et al. *J Bact* 88:263, Jul 64  
Characteristics of an abortively disporic variant of *Bacillus cereus*. Young IE. *J Bact* 88:242-54, Jul 64  
Immunological specificities of spore and vegetative cell catalases of *Bacillus cereus*. Norris JR, et al. *J Bact* 88:264-5, Jul 64  
Characteristics of an abortively disporic variant of *Bacillus cereus*. Young IE. *J Bact* 88:242-54, Jul 64  
Mode of inhibition of sporulation of *Bacillus cereus* by ethyl malonate and ethyl succinate. Kominek LA, et al. *J Bact* 88:263, Jul 64

## BACILLUS MEGATERIUM

Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. Merrick JM, et al. *J Bact* 88:60-71, Jul 64  
Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64  
Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. Merrick JM, et al. *J Bact* 88:60-71, Jul 64

## BACILLUS SUBTILIS

Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64  
Biosynthesis of mycobacillin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al. *J Bact* 87:1402-5, Jun 64  
Correlation between genetic transformability and non-photoreactivability in *Bacillus subtilis*. Keiner A. *J Bact* 87:1295-303, Jun 64  
Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. Bornside GH, et al. *J Bact* 87:1443-51, Jun 64  
*Bacillus subtilis* deoxyribonucleic acid transfer in PBS2 transduction. Mahler I, et al. *J Bact* 87:1423-8, Jun 64  
Incorporation of bacteriophage genome by spores of *Bacillus subtilis*. Takahashi I. *J Bact* 87:1449-502, Jun 64  
Biosynthesis of mycobacillin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al. *J Bact* 87:1402-5, Jun 64  
Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64  
Correlation between genetic transformability and

non-photoreactivability in *Bacillus subtilis*. Keiner A. *J Bact* 87:1295-303, Jun 64  
*Bacillus subtilis* deoxyribonucleic acid transfer in PBS2 transduction. Mahler I, et al. *J Bact* 87:1423-8, Jun 64  
Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. Bornside GH, et al. *J Bact* 87:1443-51, Jun 64

## BACITRACIN

Indwelling catheter and postoperative urinary tract infection. Hildebrandt RJ, et al. *Obstet Gynec* 23:686-8, May 64

## BACKACHE

[So-called essential benign dorsalgia in young adults] Albouy R, et al. *Presse Med* 72:2515-7, 17 Oct 64 (Fr)

## BACTERIA

Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. Jacobs NJ, et al. *J Bact* 87:1406-11, Jun 64  
Adansonian analysis and deoxyribonucleic acid base composition of some gram-negative bacteria. Colwell RR, et al. *J Bact* 87:1412-22, Jun 64  
Variation in rumen *Butyrivibrio* strains. Margherita SS, et al. *J Bact* 87:1304-8, Jun 64  
Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64  
Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64  
Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64  
Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64  
Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. Jacobs NJ, et al. *J Bact* 87:1406-11, Jun 64  
Variation in rumen *Butyrivibrio* strains. Margherita SS, et al. *J Bact* 87:1304-8, Jun 64  
Adansonian analysis and deoxyribonucleic acid base composition of some gram-negative bacteria. Colwell RR, et al. *J Bact* 87:1412-22, Jun 64  
The effect on animal erythrocytes of combinations of diffusible substances produced by bacteria. Fraser G. *J Path Bact* 88:43-53, Jul 64

## BACTERIAL PROTEINS

Incorporation of S 35 into ribosomal proteins of *Escherichia coli*. Duerre JA. *J Bact* 88:130-6, Jul 64  
Studies on viral inhibitors of biological origin. I. Inhibition of viral replication by protein-like constituents of bacteria. Carver DH, et al. *Proc Soc Exp Biol Med* 118:548-52, Jun 64

## BACTERIOLOGICAL TECHNIQS

Estimation of the number of infectious bacterial or viral particles by the dilution method. Seligman SJ, et al. *J Bact* 88:31-6, Jul 64  
Use of a bacterial culture filtrate as an aid to the isolation and growth of anaerobic spirochetes. Hardy PH Jr, et al. *J Bact* 87:1521-5, Jun 64  
Typing of group A streptococci by immunofluorescence. I. Preparation and properties of type I fluorescein-labeled antibody. Karakawa WW, et al. *J Bact* 87:1377-82, Jun 64  
Development of L-type growth in *Neisseria gonorrhoeae* cultures. Dienes L, et al. *J Bact* 87:1471-6, Jun 64  
Typing of group A streptococci by immunofluorescence. I. Preparation and properties of type I fluorescein-labeled antibody. Karakawa WW, et al. *J Bact* 87:1377-82, Jun 64  
Development of L-type growth in *Neisseria gonorrhoeae* cultures. Dienes L, et al. *J Bact* 87:1471-6, Jun 64  
Use of a bacterial culture filtrate as an aid to the isolation and growth of anaerobic spirochetes. Hardy PH Jr, et al. *J Bact* 87:1521-5, Jun 64  
Estimation of the number of infectious bacterial or viral particles by the dilution method. Seligman SJ, et al. *J Bact* 88:31-6, Jul 64  
A cultural method of quantitatively studying the microorganisms in the skin. Updegraff DM. *J Invest Derm* 43:129-37, Aug 64

## BACTERIOLYSIS

Cultivation of leptospirae. II. Growth and lysis in synthetic medium. Stalheim OH, et al. *J Bact* 88:55-9, Jul 64  
Production of a polysaccharide by *Staphylococcus aureus*. 3. Action of penicillins and polysaccharides on enzymic lysis. Warren GH, et al. *Proc Soc Exp Biol Med* 118:317-23, Jun 64

## BACTERIOPHAGE

Host range of certain virulent and temperate bacteriophages attacking group D streptococci. Brock TD. *J Bact* 88:165-71, Jul 64  
*Bacillus subtilis* deoxyribonucleic acid transfer in PBS2 transduction. Mahler I, et al. *J Bact* 87:1423-8, Jun 64  
Incorporation of bacteriophage genome by spores of *Bacillus subtilis*. Takahashi I. *J Bact* 87:1449-502, Jun 64  
Host range of certain virulent and temperate bacteriophages attacking group D streptococci. Brock TD. *J Bact* 88:165-71, Jul 64  
*Bacillus subtilis* deoxyribonucleic acid transfer in PBS2 transduction. Mahler I, et al. *J Bact* 87:1423-8, Jun 64

## BACTERIOPHAGE TYPING

Host range of certain virulent and temperate bacteriophages attacking group D streptococci. Brock TD. *J Bact* 88:165-71, Jul 64

## BANDAGES

Office measures for relief of the painful foot. Milgram JE. *J Bone Joint Surg [Amer]* 46:1095-116, Jul 64  
Dressings, splints and postoperative care in hand surgery. Moberg E. *Surg Clin N Amer* 44:941-9, Aug 64  
Reduction of surgical wound infection by tape closure. Carpendale MT. *Surg Forum* 15:58-60, 1964

## BARBITURATE TOXICOLOGY

To-day's drugs. Treatment of acute poisoning. I. *Brit Med J* 5414:927-9, 10 Oct 64  
Enzymes and drug sensitivity. Drug and enzyme interactions in porphyrias. Rimington C. *Proc Roy Soc Med* 57:511-4, Jun 64

## BARBITURATES

The effect of cyclobarbitone on the habituation of the psycho-galvanic reflex. Lader MH. *Brain* 87:321-40, Jun 64  
Trial of Nactisol in general practice. Traherne JB. *Brit J Clin Pract* 18:403-4, Jul 64  
A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al. *J Amer Geriatr Soc* 12:771-5, Aug 64  
Dialyzable poisons: in vitro efficacy of a modified Skeggs-Leonards hemodialyzer with a comparison to clinical results. Wieth JO, et al. *J Lab Clin Med* 64:60-71, Jul 64  
Effect of central nervous system lesions on barbiturate sleeping time in the rat. Harvey JA, et al. *J Pharmacol Exp Ther* 144:24-36, Apr 64  
Effects of minimal blood volume changes on renal blood flow. King TC, et al. *Surg Forum* 15:494-6, 1964  
[On the therapy of tetanus] Izar G. *Minerva Med* 55:2409-12, 18 Aug 64 (It)

## BARIUM

Cinephotomicrographic studies of the pial vasculature in the monkey and cat. Scratch GP, et al. *Surg Forum* 15:409-10, 1964

## BASAL METABOLISM

Influence of dried -grass silage and silage fractions on the basal metabolic rate of rats. McLaren GA, et al. *J Nutr* 83:218-24, Jul 64  
Thyroxine in blood. Sterling K. *Mayo Clin Proc* 39:586-608, Aug 64

## BASILAR ARTERY

Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM. *Brit Med J* 5417:1104-7, 31 Oct 64  
Basilar artery deficiency. *Brit Med J* 541:1086-7700, 31 Oct 64  
Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM. *Brit Med J* 5417:1104-7, 31 Oct 64  
Recurrent cerebral ischaemia. *Lancet* 2:799-800, 10 Oct 64  
Persistent primitive trigeminal artery. One type of persistent carotid-basilar anastomosis. Hinck VC, et al. *Radiology* 83:41-5, Jul 64  
Traumatic occlusion of the basilar artery within a clivus fracture. Loop JW, et al. *Radiology* 83:36-40, Jul 64

## BASOPHILS

Basophil leukocyte infiltration in the positive tuberculin skin test in man. Fulton JE Jr, et al. *J Invest Derm* 43:125-8, Aug 64



## BATHS

Adherence of bath oil to keratin. Knox JM, et al. *Brit Med J* 5416:1048-50, 24 Oct 64

## BCG VACCINATION

The immunological basis of acquired cellular resistance. Mackness GB. *J Exp Med* 120:105-20, 1 Jul 64  
Generalized BCG infection. Blattner RJ. *J Pediatr* 65:311-4, Aug 64

## BEHAVIOR

Early recognition of problem behavior in industry. Himler LE. *Industr Med Surg* 33:564-5, Aug 64

## BEHAVIOR, ANIMAL

Dose response to carbachol and norepinephrine in rat hypothalamus. Müller NE, et al. *Amer J Physiol* 206:1384-8, Jun 64  
Behavioral thermoregulation in response to local cooling of the rat brain. Satinoff E. *Amer J Physiol* 206:1389-94, Jun 64  
Neurohumors in hypothalamic substrates of reward. Olds J, et al. *Amer J Physiol* 207:242-54, Jul 64  
Influence of anterior pituitary on avoidance learning and escape behavior. De Wied D. *Amer J Physiol* 207:255-9, Jul 64  
Some factors influencing short-term food intake of the goldfish. Rozin PN, et al. *Amer J Physiol* 206:1430-6, Jun 64  
Effects of amphetamine, chlorpromazine, pentobarbital, and ethanol on operant response duration. Weiss B, et al. *J Pharmacol Exp Ther* 144:17-23, Apr 64  
Effects of intra- and inter-specific social stimulation on implantation in deer mice. Bronson FH, et al. *J Reprod Fertil* 8:22-7, Aug 64  
The biology of aggression. Barnett SA. *Lancet* 2:803-7, 10 Oct 64

## BEHCET'S SYNDROME

Virus aetiology of Behçet's syndrome. Mortada A, et al. *Brit J Ophthalmol* 48:250-9, May 64

## BELLADONNA

Paroxysmal choreoathetosis. Associated with perinatal hypoxic encephalopathy. Rosen JA. *Arch Neurol (Chicago)* 11:385-7, Oct 64  
A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al. *J Amer Geriatr Soc* 12:771-5, Aug 64

## BEMEGRIDE

Electroencephalographic and circulatory responses to megrimide in normal subjects. Sellén U, et al. *Electroenceph Clin Neurophysiol* 17:11-6, Jul 64  
Repeated activation with megrimide in normal subjects: electroencephalographic responses and threshold doses. Sellén U. *Electroenceph Clin Neurophysiol* 17:1-10, Jul 64

## BENCE JONES PROTEIN

Cytometric studies of myeloma cells. Planimetry and diameter measurements in 33 cases of myelomatosis with special reference to the correlation between cell size and serum immuno-electrophoretic findings. Drivsholm A. *Acta Med Scand* 176:79-89, Jul 64

## BENZANTHRACENES

The effect of dietary casein on the induction of lung tumours by the injection of 9,10-dimethyl-1,2-benzanthracene (DMBA) into newborn mice. Walters MA, et al. *Brit J Cancer* 18:312-6, Jun 64  
Chemically induced regressing experimental epidermal tumors in mice. Frei JV. *Cancer Res* 24:1083-4, Jul 64

## BENZENE

S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64  
Benzene and leukemia. Vigliani EC, et al. *New Eng J Med* 271:872-8, 22 Oct 64  
Effects of bromobenzene on mouse tissue sulfhydryl and insulin-I-131 metabolism. Beck LV, et al. *Proc Soc Exp Biol Med* 116:283-8, Jun 64

## BENZOATES

Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al. *Acta Endocr (Copenhagen)* 47:Suppl 93:3-27, 1964  
Lack of effect of corticosteroids on the in vivo disappearance of sulfhydryl-inhibited and

antibody-coated erythrocytes. Agarwal KN. *Acta Endocr (Copenhagen)* 47:Suppl 93:28-36, 1964  
Preparation and properties of water-insoluble derivatives of urease. Riesel E, et al. *J Biol Chem* 239:1521-4, May 64  
Collagenolytic activity of mammalian pancreas. Houck JC, et al. *Proc Soc Exp Biol Med* 116:382-5, Jun 64

## BENZOPYRENES

Intramuscular precancerous lesions from hydrocarbons. Ikuta F, et al. *Arch Path (Chicago)* 78:377-89, Oct 64  
Bilirubin glucuronyl transferase activity in liver disease. Metge WR, et al. *J Lab Clin Med* 64:89-98, Jul 64

## BENZOTHIADIAZINES

Drug therapy in leucine-sensitive hypoglycemia. Drash A, et al. *Metabolism* 13:487-92, Jun 64

## BERYLLIUM

Probable berylliosis from beryllium alloys. Lieben J, et al. *Arch Environ Health (Chicago)* 9:473-7, Oct 64  
Effectiveness of aurin tricarboxylic acid (ATA) as an antidote for beryllium poisoning. King ME, et al. *Industr Med Surg* 33:566-9, Aug 64

## BETA GLOBULIN

Serum proteins in myasthenia gravis. Kornfeld P. *JAMA* 190:463, 2 Nov 64  
Synthesis of plasma protein fractions in burned patients. Kukral JC, et al. *Surg Forum* 15:43-5, 1964  
Protein components of oviduct fluid in the primate. Marcus SL. *Surg Forum* 15:381-3, 1964

## BICARBONATES

Alkaline diuresis in treatment of aspirin poisoning. Cumming G, et al. *Brit Med J* 5416:1033-8, 24 Oct 64  
Alkaline diuresis for salicylate intoxication. *Brit Med J* 5416:1021-2, 24 Oct 64  
Continuous measurement of ventilatory exchange ratio during exercise. Naimark A, et al. *J Appl Physiol* 19:644-52, Jul 64

## BILE

The loss of protein in human and canine hepatic bile. Hardwicke J, et al. *Clin Sci* 26:509-17, Jun 64  
Studies of sulfobromophthalein sodium (BSP) metabolism in man. 3. Demonstration of a transport maximum (Tm) for biliary excretion of BSP. Schoenfield LJ, et al. *J Clin Invest* 43:1424-32, Jul 64

## BILE ACIDS AND SALTS

Intestinal absorption of bile salts in the rat. Holt PR. *Amer J Physiol* 207:1-7, Jul 64  
Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64  
Conversion of cholesterol to trihydroxycoprostanic acid and cholic acid in man. Carey JB Jr. *J Clin Invest* 43:1443-8, Jul 64  
Lipolytic activity in the blood after lipase ingestion. Tidwell HC, et al. *Proc Soc Exp Biol Med* 116:720-3, Jul 64  
Effect of hyocholic acid on cholesterol and bile acid metabolism in the mouse. Behr WT, et al. *Proc Soc Exp Biol Med* 116:442-5, Jun 64  
In vitro activation of lipolytic activity in the serum of dogs by bile salts. Traxel WL, et al. *Proc Soc Exp Biol Med* 116:388-92, Jun 64

## BILE DUCT NEOPLASMS

Modification of cell antigens during aminoazo dye carcinogenesis in rat liver. Baldwin RW. *Brit J Cancer* 18:285-98, Jun 64

## BILE DUCTS

Proliferation of bile ducts in cirrhosis. Masuko K, et al. *Arch Path (Chicago)* 78:421-31, Oct 64

## BILE DUCTS, INTRAHEPATIC

Intrahepatic diverticulum--common hepatic bile duct. Jackson FC, et al. *Arch Surg (Chicago)* 89:706-8, Oct 64

## BILE PIGMENTS

Paper chromatographic studies of the three serum bile pigments. Politte LL, et al. *Amer J Clin Path* 42:22-32, Jul 64

## BILIARY DYSKINESIA

[The 4 serum bilirubin fractions in cholestatic hepatitis] Kuenzle C, et al. *Deutsch Med Wschr* 89:1475-7, 31 Jul 64 (Ger)

## BILIARY FISTULA

[Opening and closure of the hepato-choledochus. A technic] Barraya L, et al. *Presse Med* 72:2537-40, 17 Oct 64 (Fr)

## BILIARY TRACT

Traumatic injuries to the biliary system in children. Hartman SW, et al. *Amer J Surg* 108:150-6, Aug 64

## BILIRUBIN

Paper chromatographic studies of the three serum bile pigments. Politte LL, et al. *Amer J Clin Path* 42:22-32, Jul 64  
The effect of intermittent administration of alpha-naphthylisothiocyanate to rats. Moran E, et al. *Amer J Path* 44:947-60, Jun 64  
Studies on the determination of bile pigments. V. Comparison of some methods for determination of total, free, and conjugated bilirubin in serum. Jacobs SL, et al. *Clin Chem* 10:433-9, May 64  
An automated method for the determination of serum bilirubin. Golub M. *Clin Chem* 10:399-405, May 64  
Bilirubin glucuronyl transferase activity in liver disease. Metge WR, et al. *J Lab Clin Med* 64:89-98, Jul 64  
Amniotic fluid analysis as an aid to the ante-partum diagnosis of haemolytic disease. Stewart AG, et al. *J Obstet Gynaec Brit Comm* 71:604-8, Aug 64  
[Our present practice of amniotic fluid puncture in the treatment of erythroblastosis caused by isoimmunization] Mayer M, et al. *Presse Med* 72:2369-72, 3 Oct 64 (Fr)

## BIOCHEMISTRY

Biophysics and biochemistry education for research in pathology. Carter JR. *Lab Invest* 13:613-8, Jun 64

## BIOFLAVONOIDS

Quercetin inhibition of specific histidine decarboxylase. Smyth RD, et al. *Proc Soc Exp Biol Med* 116:593-6, Jul 64

## BIOLOGICAL ASSAY

A microbiological method for assessing the nutritional value of proteins. 3. Further studies on the measurement of available amino acids. Ford JE. *Brit J Nutr* 18:449-60, 1964  
Estimation of the number of infectious bacterial or viral particles by the dilution method. Seligman SJ, et al. *J Bact* 88:31-6, Jul 64  
Use of *Arthrobacter terregens* for bioassay of mycobactin. Reich CV, et al. *J Bact* 87:1317-20, Jun 64  
Estimation of the number of infectious bacterial or viral particles by the dilution method. Seligman SJ, et al. *J Bact* 88:31-6, Jul 64

## BIOLOGICAL PRODUCTS

A gastric inhibitory substance from dog antral juice. Semb LS, et al. *Surg Forum* 15:319-21, 1964

## BIOPHYSICS

Biophysics and biochemistry education for research in pathology. Carter JR. *Lab Invest* 13:613-8, Jun 64

## BIOPSY

New instrument for brain biopsy. Hallac I, et al. *J Neurosurg* 20:529-30, Jun 63  
Evaluation of a testicular biopsy technique in the rabbit. McFee AF, et al. *J Reprod Fertil* 8:141-4, Aug 64  
Electrocautery in percutaneous liver biopsy. Edlich RF, et al. *JAMA* 190:68-9, 5 Oct 64  
Modification of Menghini liver biopsy needle. Salem SN. *Lancet* 2:794, 10 Oct 64  
Jejunal perforation with the Crosby capsule. Clarke SW. *Lancet* 2:727-8, 3 Oct 64  
Finger biopsy forceps. Shipman JJ. *Lancet* 2:844, 17 Oct 64

## BIOTIN

In vivo inhibition of lipogenesis by biotin deficiency. Donaldson WE. *Proc Soc Exp Biol Med* 116:662-4, Jul 64

## BIRD DISEASES

Field and laboratory studies on eastern encephalitis in



warm- and cold-blooded vertebrates. Hayes RO, et al. *Amer J Trop Med* 13:595-606, Jul 64  
 Psittacosis complement-fixing antibodies in sera from fauna of the Great Salt Lake Desert of Utah. Sidwell RW, et al. *Amer J Trop Med* 13:591-4, Jul 64

## BIRTH CONTROL

Family planning in London teaching hospitals. Philipp EE. *Brit Med J* 5417:1132, 31 Oct 64  
 Biological aspects of social problems. *Lancet* 2:858-8, 17 Oct 64  
 Changing attitudes toward the Massachusetts birth-control law. Dorsey JL. *New Eng J Med* 271:823-7, 15 Oct 64

## BIRTH INJURY

Traumatic separation of the upper femoral epiphysis as an obstetrical lesion. Mortens J, et al. *Acta Orthop Scand* 34:238-50, 1964  
 The vacuum extractor--experimental demonstration of distortion of the foetal skull. Awon MP. *J Obstet Gynaec Brit Comm* 71:634-6, Aug 64

## BIRTH WEIGHT

The incompetent cervix: a survey of survivors. Goldstein PJ, et al. *Obstet Gynec* 23:752-6, May 64

## BISHYDROXYCOUMARIN

Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred. O'Reilly RA, et al. *New Eng J Med* 271:809-15, 15 Oct 64

## BLADDER

Na transport by isolated turtle bladder during anaerobiosis and exposure to KCN. Klahr S, et al. *Amer J Physiol* 206:1333-9, Jun 64  
 In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
 Indirect cystometry. Varughese G. *J Neurosurg* 20:655-9, Aug 63  
 Determination of organ volumes by scintillation scanning. Spencer RP. *J Nucl Med* 5:444-52, Jun 64  
 Experimental evaluation of tissue adhesives in urogenital surgery. Yoho AV, et al. *J Urol* 92:56-9, Jul 64  
 Pressure telemeter: a method of measuring intravesical pressure without tubes, wires, or catheters. Gleason DM, et al. *Surg Forum* 15:502-3, 1964

## BLADDER CALCULI

The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. Ball JK, et al. *Brit J Urol* 36:225-37, Jun 64

## BLADDER DISEASES

An illustrated classification of the proliferative and neoplastic changes in mouse bladder epithelium in response to prolonged irritation. Roe FJ. *Brit J Urol* 36:238-53, Jun 64  
 Acute inversion of the urinary bladder in labour. Sutherland JC, et al. *Brit Med J* 5415:991-2, 17 Oct 64  
 Urethral obstruction in children. Bladder neck hypertrophy in childhood. Corner B. *Proc Roy Soc Med* 57:727-30, Aug 64  
 Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schencker B. *Radiology* 83:12-21, Jul 64

## BLADDER NECK OBSTRUCTION

Pituitary diabetes insipidus associated with progressive urinary tract dilatation. Wheeler JS, et al. *J Urol* 92:64-7, Jul 64  
 Urethral obstruction in children. Bladder neck hypertrophy in childhood. Corner B. *Proc Roy Soc Med* 57:727-30, Aug 64  
 Treatment of urethral obstruction in children. Miller A. *Proc Roy Soc Med* 57:730-2, Aug 64

## BLADDER NEOPLASMS

Chlornaphazlin (Erysan) may induce cancer of the urinary bladder. Videbaek A. *Acta Med Scand* 176:45-50, Jul 64  
 Paget's disease of the vulva associated with an unusual bladder tumour. Kay JM, et al. *Brit J Cancer* 18:233-7, Jun 64  
 Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder and kidney. Alfano A, et al. *Brit J Cancer* 18:386-9, Jun 64  
 An illustrated classification of the proliferative and neoplastic changes in mouse bladder epithelium in

response to prolonged irritation. Roe FJ. *Brit J Urol* 36:238-53, Jun 64  
 The clinical course of 234 neoplasms of the bladder in north-east Scotland. Mills KL. *Brit J Urol* 36:204-10, Jun 64  
 Adenomatous polyp of bowel following ureterocolic anastomosis. A case report and review of the literature. Gillman JC. *Brit J Urol* 36:264-70, Jun 64  
 Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al. *Cancer Res* 24:582-5, May 64  
 In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
 Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64  
 Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64  
 Method of urinary diversion which preserves continence: description of surgical technique and postoperative electrolyte study. Leiter E, et al. *J Urol* 92:37-41, Jul 64  
 Carcinoma of bladder: cobalt therapy. Goodman GB, et al. *J Urol* 92:30-6, Jul 64  
 In vitro labeling and autoradiography of exfoliated cells in carcinoma of the human bladder. Connolly JG, et al. *Surg Forum* 15:489-90, 1964

## BLADDER, NEUROGENIC

Further experience with the radio transmitter receiver unit for the neurogenic bladder. Bradley WE, et al. *J Neurosurg* 20:953-60, Nov 63

## BLAST INJURY

Production of clinical forms of head injury in the dog. Bouzarth WF, et al. *Surg Forum* 15:421-3, 1964

## BLASTOMYCES

The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. Dzawachszwill N, et al. *J Invest Derm* 43:103-9, Aug 64

## BLASTOMYCOSIS

The clinical usefulness of fungal serologic testing. Mays EE, et al. *Dis Chest* 46:205-10, Aug 64  
 Masquerade graft technique for simultaneous reconstruction of upper and lower eyelids in patients with blastomycosis, amyloidosis or other chronic septic destructive lesions. Snyder GB, et al. *Plast Reconstr Surg* 34:163-8, Aug 64

## BLINDNESS

Bilateral carotico-cavernous fistulae. Hypopituitarism from bilateral carotid ligation for surgical cure. Jamieson KG. *Aust New Zeal J Surg* 34:1-10, Aug 64  
 Visual prognosis of proliferating diabetic retinopathy. Beetham WP. *Brit J Ophthalmol* 47:611-9, Oct 63  
 Blindness in mongolism (Down's syndrome). Cullen JF. *Brit J Ophthalmol* 47:331-3, Jun 63  
 Hereditary glaucoma occurrence in five generations of an Edinburgh family. Crombie AL, et al. *Brit J Ophthalmol* 48:143-7, Mar 64  
 Optic neuritis in measles. Srivastava SP, et al. *Brit J Ophthalmol* 47:180-1, Mar 63  
 The electro-encephalogram in blind children. Jeavons PM. *Brit J Ophthalmol* 48:83-101, Feb 64  
 Papilloedema, optic atrophy, and blindness due to emphysema and chronic bronchitis. Freedman BJ. *Brit J Ophthalmol* 47:290-4, May 63  
 Papillitis complicated by central retinal artery occlusion. Abrams JD. *Brit J Ophthalmol* 47:53, Jan 63  
 Retinal artery embolism: a complication of carotid endarterectomy. Shillito J Jr, et al. *J Neurosurg* 20:718-20, Aug 63  
 The electroencephalogram in visually handicapped children. Akiyama Y, et al. *J Pediatr* 65:233-42, Aug 64

## BLOOD

Diuretic therapy. II. Pharmacology of mercurial diuretics. DeGraff AC, et al. *Amer Heart J* 66:131-3, Jul 64  
 Failure to demonstrate vasopressor material in salt hypertensive rats. Koletsky S, et al. *Amer J Physiol* 207:152-4, Jul 64  
 RNA synthesis in cultures of normal human peripheral blood. Epstein LB, et al. *Blood* 24:69-76, Jul 64  
 Rate of sickling of red cells during deoxygenation of blood from persons with various sickling disorders. Charache S, et al. *Blood* 24:25-48, Jul 64  
 The significance of iron turnover in the control of iron absorption. Weintraub LR, et al. *Blood* 24:19-24, Jul 64  
 Enzyme patterns in human tissues. II. Glycolytic

enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64  
 Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. *Cancer Res* 24:614-8, May 64  
 The relationship of gamma-1A globulin and reagin in cord sera. Allansmith M, et al. *J Allerg* 35:339-45, Jul-Aug 64  
 Effects of infusion of hypertonic mannitol on electrolyte balance and on osmolality of serum and cerebrospinal fluid. Wise BL. *J Neurosurg* 20:961-7, Nov 63  
 Inhibition of insulin degradation by fractions of non-diabetic sera. Freinkel N, et al. *Lancet* 2:646-7, 10 Sep 64  
 A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. Bleicher SJ, et al. *Metabolism* 13:583-6, Jun 64  
 Distribution of cesium-137 after chronic exposure in dogs and mice. Furchner JE, et al. *Proc Soc Exp Biol Med* 116:375-8, Jun 64  
 Function of the ex-vivo pig liver perfused with human blood. Liem DS, et al. *Surg Forum* 15:90-1, 1964  
 [Tumor cells in the blood stream] Schmäh D. *Deutsch Med Wschr* 89:1849-50, 25 Sep 64 (Ger)

## BLOOD ACID PHOSPHATASE

Leucocyte enzymes in Down's syndrome. Mellman WJ, et al. *Lancet* 2:674-5, 20 Sep 64

## BLOOD ALKALINE PHOSPHATASE

The effect of intermittent administration of alpha-naphthyl isothiocyanate to rats. Moran E, et al. *Amer J Path* 44:947-60, Jun 64  
 Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. Rubini JR, et al. *Cancer Res* 24:665-61, May 64  
 Effect of hyperbaric oxygenation on hepatic inflow occlusion. Jacobsen DS, et al. *Surg Forum* 15:198-200, 1964  
 Enzymatic detection of the hidden primary neoplasm. Arlen M. *Surg Forum* 15:352-3, 1964

## BLOOD CELL COUNT

5-Hydroxytryptamine (serotonin) in acute hypotensive shock. Swank RL, et al. *Amer J Physiol* 207:215-22, Jul 64

## BLOOD CELLS

Synthesis of ribonucleic acid in rabbit blood cells in vivo. DeBellis RH, et al. *J Clin Invest* 43:1329-37, Jul 64  
 Effect of mononuclear blood cells from multiple sclerosis patients on neuroglia in tissue culture. Berg O, et al. *J Neuropath Exp Neurol* 23:550-9, Jul 64  
 Electron-microscope observations on the phagocytosis of neutrophil polymorphonuclear leucocytes by macrophages. Brewer DB. *J Path Bact* 88:307-9, Jul 64  
 Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. Romsdahl MM, et al. *Surg Forum* 15:346-8, 1964

## BLOOD CHEMICAL ANALYSIS

Determination of iron in serum using solvent extraction. Forman DT. *Amer J Clin Path* 42:103-8, Jul 64  
 Clinico-EEG correlation with arterial and jugular venous biochemical studies in acute neurological disorder. Fischer-Williams M, et al. *Brain* 87:281-306, Jun 64  
 A semimicro modification of the Karr urea determination method using the Somogyi serum filtrate. Ryland ME. *Clin Chem* 10:406-11, May 64  
 An automated method for the determination of serum bilirubin. Golub M. *Clin Chem* 10:399-405, May 64  
 Analyses on heat-coagulated blood and serum. II. The determination of serum inorganic phosphate. London M, et al. *Clin Chem* 10:417-23, May 64  
 A method for determination of magnesium in serum and urine. Sky-Peck HH. *Clin Chem* 10:391-8, May 64  
 A new method for preparing a plasma ultrafiltrate: distributions of 5 electrolytes. Ames A 3d, et al. *J Lab Clin Med* 64:168-76, Jul 64  
 Abeside method of blood-glucose estimation. Cohen SL, et al. *Lancet* 2:883-4, 24 Oct 64  
 A rapid enzyme-strip method for estimating blood-sugar. Rennie ID, et al. *Lancet* 2:884-6, 24 Oct 64

## BLOOD CHOLESTEROL

Influence of diet on blood serum lipids in pregnant women and newborn infants. Hansen AE, et al. *Amer J Clin Nutr* 15:11-9, Jul 64  
 Effect of controlled breakfast on serum cholesterol and triglycerides. Schilling FJ, et al. *Amer J Clin Nutr* 15:1-4, Jul 64  
 The effect of intermittent administration of alpha-naphthyl isothiocyanate to rats. Moran E, et al. *Amer J Path* 44:947-60, Jun 64  
 Lipids of human platelets and their action on the blood



coagulation process. Woodside EE, et al. *Blood* 24:76-91, Jul 64

The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. Moore JH, et al. *Brit J Nutr* 18:431-48, 1964

A rapid method for cholesterol determination with a single reagent. Zurkowski P. *Clin Chem* 10:451-3, May 64

Effect of physical activity upon cholesterol synthesis in the rat liver. Aleksandrow D, et al. *J Atheroscler Res* 4:351-5, Jul-Aug 64

Effect of adrenaline on serum lipid stability in rabbits. Wilkens JA, et al. *J Atheroscler Res* 4:346-50, Jul-Aug 64

Effect of adrenaline on aortic structure and serum cholesterol in *Macaca radiata*. Jagannathan SN, et al. *J Atheroscler Res* 4:335-45, Jul-Aug 64

A study of the hypocholesterolemic activity of the ethyl esters of the polyunsaturated fatty acids of cod liver oil in the rat. Kahn SG. *J Nutr* 83:262-6, Jul 64

Serum lipid pattern in normal pregnancy and pre-eclampsia. Kontinen A, et al. *J Obstet Gynaec Brit Comm* 71:453-8, Jun 64

Serum-lipid levels in a Brazilian Indian population. Pazzanese D, et al. *Lancet* 2:615-7, 19 Sep 64

Reduction of serum lipids following portacaval transposition in diabetic dogs. Waddell WR, et al. *Metabolism* 13:562-71, Jun 64

Effects of medium- and long-chain saturated triglycerides on blood and liver cholesterol of chickens and rats. Fisher H, et al. *Proc Soc Exp Biol Med* 116:278-80, Jun 64

Hypocholesterolemic effect of an androsterone analogue. Ranney RE, et al. *Proc Soc Exp Biol Med* 116:596-9, Jul 64

Effect of hyocholic acid on cholesterol and bile acid metabolism in the mouse. Beher WT, et al. *Proc Soc Exp Biol Med* 116:442-5, Jun 64

Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. Simpson CF, et al. *Proc Soc Exp Biol Med* 116:334-6, Jun 64

[Diabetes mellitus with normal blood sugar, hypokalaemia and low serum cholesterol] *S Afr Med J* 38:700-4, 29 Aug 64 (Af)

## BLOOD CIRCULATION

Myocardial blood flow after experimental pulmonary embolism in the intact dog. Guzman SV, et al. *Amer Heart J* 68:66-70, Jul 64

Studies on intramedullary pressure and blood flow in bone. Shaw NE. *Amer Heart J* 68:134-5, Jul 64

Genesis of Korotkoff sounds. Chungcharoen D. *Amer J Physiol* 207:190-4, Jul 64

Effect of hydrogen ion changes on vascular resistance in isolated artery segments. Carrier O Jr, et al. *Amer J Physiol* 207:168-72, Jul 64

Differential effects of heat on splenic and renal vascular beds. Gillenwater JY, et al. *Amer J Physiol* 207:133-6, Jul 64

Vascular manifestations of extensive thermal skin injury in rat mesentery. Horn L, et al. *Amer J Physiol* 207:137-43, Jul 64

Immediate responses of collateral vessels to abrupt arterial occlusion. Roy AJ, et al. *Amer J Physiol* 206:1299-303, Jun 64

Hemodynamic responses to induced tachycardia in methylene blue-treated dogs. Afonso S, et al. *Amer J Physiol* 206:1279-80, Jun 64

Venous oxygenation and circulatory responses to oxygen inhalation in acute anemia. Murray JF. *Amer J Physiol* 207:228-34, Jul 64

Abolition of autoregulation of renal blood flow by acetylcholine. Nahmod VE, et al. *Amer J Physiol* 207:123-7, Jul 64

Microcirculatory studies in man by high resolution vital microscopy. Brånemark PI, et al. *Angiology* 15:329-32, Aug 64

Microangiographic visualization of blood distribution in intact and regenerated rat adrenals before and during cold stress. Kolthoff NJ, et al. *Angiology* 15:344-9, Aug 64

Functional hemodynamics of the colon. Geber WF. *Angiology* 15:366-70, Aug 64

The haemodynamic implications of the bisferiens pulse. Ikram H, et al. *Brit Heart J* 26:452-9, Jul 64

Electrocardiograms of marathon runners in 1962 Commonwealth games. Smith WG, et al. *Brit Heart J* 26:469-76, Jul 64

Guanethidine and methylolopa: a haemodynamic study. Chamberlain DA, et al. *Brit Heart J* 26:528-36, Jul 64

Tooth pulp tissue pressure and hydraulic permeability. Brown AC, et al. *Circ Res* 15:42-50, Jul 64

Control of renin secretion. Skinner SL, et al. *Circ Res* 15:64-76, Jul 64

Measurement of myocardial blood flow in animals and man by selective injection of radioactive inert gas into the coronary arteries. Ross RS, et al. *Circ Res* 15:28-41, Jul 64

Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies. Friedberg CK, et al. *Circ Res* 15:1-10, Jul 64

Hemodynamics of the Master two-step test in

hypertension and healed myocardial infarction. Makous N, et al. *Circulation* 30:77-85, Jul 64

Hemodynamic events during the development of cyanosis and heart failure in a patient with large ventricular septal defect. Bliss HA, et al. *Circulation* 30:101-5, Jul 64

Cardiopulmonary dynamics in patients with anastomosis of the superior vena cava to the right pulmonary artery. Canent RV Jr, et al. *Circulation* 30:47-54, Jul 64

Mitral ball-valve prosthesis. Dynamic and clinical evaluation. Kezdi P, et al. *Circulation* 30:55-66, Jul 64

Systemic and regional hemodynamic alterations in toxemia. Assali NS, et al. *Circulation* 30:Suppl 2:53-62, Aug 64

Haemodynamics and oxygen consumption of the kidney in post-ischaemic renal failure. Bálint P, et al. *Clin Sci* 26:471-7, Jun 64

Effect of drug infusion on the systemic and splanchnic circulation. I. Bradykinin infusion in normal subjects. Feruglio FS, et al. *Clin Sci* 26:487-91, Jun 64

Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. Redeker AG, et al. *J Clin Invest* 43:1464-71, Jul 64

Force-velocity relations in the intact dog heart. Levine HJ, et al. *J Clin Invest* 43:1383-96, Jul 64

Hemodynamic effects of tyramine. Harakal C, et al. *J Pharmacol Exp Ther* 144:89-96, Apr 64

Hemodynamic effects of pressor agents in septic and myocardial infarction shock. Smulyan H, et al. *JAMA* 190:188-94, 19 Sep 64

Relief of high left-atrial pressure in left-ventricular failure. Case RB, et al. *Lancet* 2:841-2, 17 Oct 64

Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. MacKenzie GJ, et al. *Lancet* 2:825-32, 17 Oct 64

Blood and bones. *Lancet* 2:740-1, 3 Oct 64

Hemodynamic effects of blood transfusion in chronic anemia. Duke M, et al. *New Eng J Med* 271:975-80, 5 Nov 64

Current developments in ophthalmology. Fluorescein studies of the choroidal circulation. Hill DW, et al. *Proc Roy Soc Med* 57:500-2, Jun 64

Roentgenographic clues to the cardiac hemodynamics of aortic stenosis. Rockoff SD, et al. *Radiology* 83:58-62, Jul 64

Efficacy of left heart bypass in the treatment of acute heart failure. Chapple JC, et al. *Surg Forum* 15:262-3, 1964

Hemodynamic effects of pitressin infusion during gastroesophageal hemorrhage. Coomaraswamy RP, et al. *Surg Forum* 15:116-8, 1964

Vascular effects of heparin. Abramson DI, et al. *Vasc Dis* 1:180-5, Jul 64

[Clinico-experimental studies on the collateral arterial circulation of extremities] Kappert A. *Angiologica (Basel)* 1:227-38, 1964 (Ger)

## BLOOD CIRCULATION TIME

A theory for the quantification of transcapillary exchange by tracer-dilution curves. Martin P, et al. *Amer J Physiol* 207:162-8, Jul 64

Ophthalmic arterial pressure and flow during extracorporeal perfusion of carotid of dogs and monkeys. Mahaley MS Jr, et al. *J Neurosurg* 20:1080-4, Dec 63

## BLOOD COAGULATION

Mechanism of platelet plug formation and role of adenosine diphosphate. Spaet TH, et al. *Amer J Physiol* 206:1267-74, Jun 64

Clotting time of heparinized blood. Influence of acidosis. Hardaway RM, et al. *Arch Surg (Chicago)* 89:701-5, Oct 64

Lipids of human platelets and their action on the blood coagulation process. Woodside EE, et al. *Blood* 24:76-91, Jul 64

Effect of various surface active agents on heparin binding and clot formation on graphite surfaces. Whiffen JD, et al. *Proc Soc Exp Biol Med* 116:314-7, Jun 64

In vitro studies of direct current coagulation. Reardon JJ, et al. *Surg Forum* 15:235-7, 1964

## BLOOD COAGULATION DISORDERS

Vitamin-K deficiency in early pregnancy. Bailey P. *Brit Med J* 5418:1199, 7 Nov 64

[Fatal accident after an intravenous injection of congo red] Hörstensmeyer O. *Deutsch Med Wschr* 89:1845-8, 25 Sep 64 (Ger)

## BLOOD COAGULATION TESTS

Rheologic approach to thrombosis and atherosclerosis. Dintenfass L. *Angiology* 15:333-43, Aug 64

Clotting time of heparinized blood. Influence of acidosis. Hardaway RM, et al. *Arch Surg (Chicago)* 89:701-5, Oct 64

Quantitative assay of the fibrinolytic system in open

heart surgery. Kevy SV, et al. *Surg Forum* 15:282-3, 1964

## BLOOD DONORS

Selection of blood donors. Orrahood MD. *New Eng J Med* 271:799-800, 8 Oct 64

## BLOOD FLOW VELOCITY

Arterial hematocrit and separation of cells and plasma in the dog kidney. Chinard FP, et al. *Amer J Physiol* 207:128-32, Jul 64

Relationship of blood flow in the kidney to the homograft reaction. Cohn R, et al. *Amer J Surg* 108:245-9, Aug 64

Functional hemodynamics of the colon. Geber WF. *Angiology* 15:366-70, Aug 64

Control of renin secretion. Skinner SL, et al. *Circ Res* 15:64-76, Jul 64

Measurement of blood flow in the femoral artery in man at rest and during exercise by local thermodilution. Ganz V, et al. *Circulation* 30:86-9, Jul 64

Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. Holzman GB, et al. *Circulation* 30:27-34, Jul 64

Electromagnetic measurement of internal jugular venous flow in the monkey; effect of epilepsy and other procedures. Meyer JS, et al. *J Neurosurg* 21:524-39, Jul 64

Quantitative measurement of cephalic blood flow in the monkey. Symon L, et al. *J Neurosurg* 20:199-218, Mar 63

Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. Ojemann RG, et al. *J Neurosurg* 20:471-3, Jun 63

Peripheral resistance in regulation of blood flow through stenotic vessels. Schemm GW, et al. *Surg Forum* 15:405-6, 1964

## BLOOD GAS ANALYSIS

Clinico-EEG correlation with arterial and jugular venous biochemical studies in acute neurological disorder. Fischer-Williams M, et al. *Brain* 87:281-306, Jun 64

Blood-gas transfer, hemolysis, and diffusing capacity in a bubble tonometer. Ravin MB, et al. *J Appl Physiol* 19:784-90, Jul 64

Alveolar carbon dioxide equilibria in breath-holding experiments. Barth DS, et al. *J Appl Physiol* 19:755-9, Jul 64

Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. MacKenzie GJ, et al. *Lancet* 2:825-32, 17 Oct 64

Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964

Carbon dioxide effect on cerebral oxygenation at increased atmospheric pressures. Pinto D, et al. *Surg Forum* 15:411-2, 1964

## BLOOD GROUP INCOMPATIBILITY

The nature of late reactions following intradermal injection of heterologous anti-tissue sera. Krakower CA, et al. *Proc Soc Exp Biol Med* 116:301-6, Jun 64

## BLOOD GROUPS

Heterogeneity of the inherited group-specific component of human serum. Bearn AG, et al. *J Exp Med* 120:83-91, 1 Jul 64

Role of the red blood cell antigens in homograft rejection. Jacobson E Jr, et al. *Surg Forum* 15:138-9, 1964

[Antibodies of the GM serum system during chronic evolutive polyarthritis] Jacqueline F, et al. *Presse Med* 72:2205-8, 19 Sep 64 (Fr)

## BLOOD LIPIDS

Influence of diet on blood serum lipids in pregnant women and newborn infants. Hansen AE, et al. *Amer J Clin Nutr* 15:11-9, Jul 64

Effect of controlled breakfast on serum cholesterol and triglycerides. Schilling FJ, et al. *Amer J Clin Nutr* 15:1-4, Jul 64

Lipids of human platelets and their action on the blood coagulation process. Woodside EE, et al. *Blood* 24:76-91, Jul 64

The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. Moore JH, et al. *Brit J Nutr* 18:431-48, 1964

Effect of exercise on free fatty acid levels in the pigeon. George JC, et al. *J Appl Physiol* 19:619-22, Jul 64

Effect of adrenaline on serum lipid stability in rabbits. Wilkens JA, et al. *J Atheroscler Res* 4:346-50, Jul-Aug 64

The role of serum in acanthocyte autohemolysis and membrane lipid composition. Ways P, et al. *J Clin Invest* 43:1322-8, Jul 64

Serum and aortic lipids in rabbits fed cholesterol and



- linoleic acid stereoisomers. Weigensberg BI, et al. *J Nutr* 83:314-24, Aug 64
- Serum lipid pattern in normal pregnancy and pre-eclampsia. Kontinen A, et al.
- J Obstet Gynaec Brit Comm* 71:453-8, Jun 64
- Effects of dietary fats on plasma-lipid levels. Furness SB. *Lancet* 2:689-90, 20 Sep 64
- Serum-lipid levels in a Brazilian Indian population. Pazzanese D, et al. *Lancet* 2:615-7, 19 Sep 64
- A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. Bleicher SJ, et al. *Metabolism* 13:583-6, Jun 64
- Reduction of serum lipids following portacaval transposition in diabetic dogs. Waddell WR, et al. *Metabolism* 13:562-71, Jun 64
- Effect of dietary protein level and cholesterol supplementation prior to acute starvation on serum and liver lipids in the rat. Méndez J. *Metabolism* 13:689-74, Jul 64
- Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. Bleicher SJ, et al. *New Eng J Med* 271:866-72, 22 Oct 64
- Lipolytic activity in the blood after lipase ingestion. Tidwell HC, et al.
- Proc Soc Exp Biol Med* 116:720-3, Jul 64
- Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. Simpson CF, et al.
- Proc Soc Exp Biol Med* 116:334-6, Jun 64
- Alterations in plasma free fatty acids during extracorporeal circulation. Jacks ML, et al.
- Surg Forum* 15:279-81, 1964
- [On the degradation of plasma lipids in preserved blood] Elmendorff H von, et al. *Blut* 10:61-7, Mar 64 (Ger)

## BLOOD PHOSPHATES

- Relationship of maximal tubular phosphate reabsorption to filtration rate in the dog. Hellman D, et al. *Amer J Physiol* 207:89-96, Jul 64
- Analyses on heat-coagulated blood and serum. II. The determination of serum inorganic phosphate. London M, et al. *Clin Chem* 10:417-23, May 64
- Maintenance of phosphonucleotides in platelets suspended in plasma. Rossi EC, et al.
- J Lab Clin Med* 64:42-50, Jul 64

## BLOOD PLATELETS

- Insulin and epinephrine effects on platelet histamine release in a plasma-free system. Tidball ME. *Amer J Physiol* 207:177-80, Jul 64
- 5-Hydroxytryptamine (serotonin) in acute hypotensive shock. Swank RL, et al.
- Amer J Physiol* 207:215-22, Jul 64
- Activation of the blood fibrinolytic enzyme system by platelets. Reid WO, et al.
- Amer J Physiol* 206:1255-61, Jun 64
- Thrombocytosis associated with malignant disease. Levin J, et al.
- Arch Intern Med (Chicago)* 114:497-500, Oct 64
- Lipids of human platelets and their action on the blood coagulation process. Woodside EE, et al.
- Blood* 24:76-91, Jul 64
- Maintenance of phosphonucleotides in platelets suspended in plasma. Rossi EC, et al.
- J Lab Clin Med* 64:42-50, Jul 64
- Low in-vivo adhesive-platelet count in hereditary haemorrhagic telangiectasia. Muckle TJ. *Lancet* 2:880-2, 24 Oct 64
- Behaviour of blood-platelets in multiple sclerosis. Some observations with a possible bearing on pathogenesis. Field EJ, et al. *Lancet* 2:876-9, 24 Oct 64

## BLOOD PRESERVATION

- Initial clinical experiences with liquid nitrogen preserved blood, employing PVP as a protective additive. Richards V, et al.
- Amer J Surg* 108:313-22, Aug 64
- [On the degradation of plasma lipids in preserved blood] Elmendorff H von, et al. *Blut* 10:61-7, Mar 64 (Ger)

## BLOOD PRESSURE

- The effect of carotid occlusion and central vagal stimulation on the free fatty acids of plasma and the blood pressure in the dog. Fröberg S, et al. *Acta Med Scand* 176:65-71, Jul 64
- Study of hemodynamic factors which alter the sequence of the second heart sound. Boyle J 3d, et al. *Amer Heart J* 68:91-7, Jul 64
- Effects of several cardiovascular drugs on various phases of circulatory dynamics. Aldinger EE. *Amer Heart J* 68:55-65, Jul 64
- Studies on intramedullary pressure and blood flow in bone. Shaw NE. *Amer Heart J* 68:134-5, Jul 64
- Reflex pulmonary vasoconstriction due to stimulation of the aortic body by nicotine. Stern S, et al. *Amer J Physiol* 206:1189-95, Jun 64
- Pulsatile pressures in the microcirculation of frog's

- mesentery. Wiederhielm CA, et al.
- Amer J Physiol* 207:173-6, Jul 64
- Quantitative assay and disappearance rate of circulating renin. Schaechtelin G, et al.
- Amer J Physiol* 206:1361-4, Jun 64
- Control of aldosterone secretion by change of body potassium in normal man. Gann DS, et al.
- Amer J Physiol* 207:104-8, Jul 64
- Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64
- Abolition of autoregulation of renal blood flow by acetylcholine. Nahmod VE, et al.
- Amer J Physiol* 207:123-7, Jul 64
- Functional hemodynamics of the colon. Geber WF. *Angiology* 15:366-70, Aug 64
- Episcleral venous pressure in tonography. Leith AB. *Brit J Ophthalmol* 47:271-8, May 63
- Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. Dahl LK, et al. *Circulation* 30:Suppl 2:11-22, Aug 64
- Systemic and regional hemodynamic alterations in toxemia. Assali NS, et al.
- Circulation* 30:Suppl 2:53-62, Aug 64
- Effect of drug infusion on the systemic and splanchnic circulation. I. Bradykinin infusion in normal subjects. Feruglio FS, et al. *Clin Sci* 26:487-91, Jun 64
- Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. Feruglio FS, et al.
- Clin Sci* 26:493-8, Jun 64
- Electroencephalographic and circulatory responses to megitimide in normal subjects. Seldén U, et al.
- Electroenceph Clin Neurophysiol* 17:11-6, Jul 64
- Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. Redeker AG, et al.
- J Clin Invest* 43:1464-71, Jul 64
- Effects of guanethidine, reserpine, and methyl dopa on reflex venous and arterial constriction in man. Mason DT, et al. *J Clin Invest* 43:1449-63, Jul 64
- Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. Pardo EG, et al. *J Pharmacol Exp Ther* 144:124-30, Apr 64
- A study of the mechanisms of the modifying actions of cocaine, ephedrine and imipramine on the cardiovascular response to norepinephrine and epinephrine. Eble JN.
- J Pharmacol Exp Ther* 144:76-82, Apr 64
- Hemodynamic effects of tyramine. Harakal C, et al.
- J Pharmacol Exp Ther* 144:89-96, Apr 64
- Some cardiovascular actions of benzquinamide. Scriabine A, et al.
- J Pharmacol Exp Ther* 144:131-7, Apr 64
- Changes of blood elements and the circulatory system in climbing. II. Sumiyoshi K, et al.
- Jap Circ J* 28:661-8, Sep 64
- Changes of blood elements and the circulatory system in climbing. 3. Sumiyoshi K, et al.
- Jap Circ J* 28:669-75, Sep 64
- Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Burton GW, et al. *Lancet* 2:782-5, 10 Oct 64
- Circulatory reflexes in patients with cerebrovascular disease. Appenzeller O, et al.
- New Eng J Med* 271:820-3, 15 Oct 64
- Effect of blood volume changes on renin-like activity in blood. Ziegler M, et al.
- Proc Soc Exp Biol Med* 116:774-8, Jul 64
- Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64
- Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. Simpson CF, et al.
- Proc Soc Exp Biol Med* 116:334-6, Jun 64
- Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964
- A comparison of the physiologic effects of angiotensin with other vasoconstrictors. Rea VE, et al.
- Surg Forum* 15:17-8, 1964
- Hemodynamic effects of pitressin infusion during gastroesophageal hemorrhage. Coomaraswamy RP, et al. *Surg Forum* 15:116-8, 1964
- Hemodynamic effects of low viscosity dextran in surgical shock. Carey JS, et al.
- Surg Forum* 15:22-4, 1964

## BLOOD PRESSURE DETERMINATION

- The blood pressure in myxoedema coma. Bellau AR. *Brit J Clin Pract* 18:387-93, Jul 64
- Variation in arterial pressure throughout the day and night. Richardson DW, et al. *Clin Sci* 26:445-60, Jun 64
- Observations on the mortality of 270 treated and 199 untreated retinal grade I and II hypertensive patients followed in all instances for five years. (With special reference to the basal blood pressure, and to the presence of absence of certain hypertensive disabilities at the onset). Smirk FH.
- New Zeal Med J* 63:413-43, Jul 64
- Vectorcardiographic and ventricular pressure studies in utero and after birth using a special surgical technique. Idriss FS, et al. *Surg Forum* 15:389-91, 1964

- A new and accurate method for measuring capillary fragility. Karpman HL, et al. *Vasc Dis* 1:206-7, Jul 64

## BLOOD PROTEIN DISORDERS

- Incubation hemolysis and red cell metabolism in acanthocytosis. Simon ER, et al.
- J Clin Invest* 43:1311-21, Jul 64
- The role of serum in acanthocyte autohemolysis and membrane lipid composition. Ways P, et al.
- J Clin Invest* 43:1322-8, Jul 64
- The overproduction of immunoglobulins. Martin NM. *Proc Roy Soc Med* 57:752-5, Aug 64

## BLOOD PROTEIN

### ELECTROPHORESIS

- Studies on the serum proteins. VI. Recent advances in clinical interpretation of electrophoretic fractionations. Sunderman FW Jr.
- Amer J Clin Path* 42:1-21, Jul 64
- What is the albumin level? A comparison of methods for albumin determination. Fessel WJ, et al.
- Arch Intern Med (Chicago)* 114:547-50, Oct 64
- Increased globulin fractionation by an improved vertical gel electrophoretic technique. Lorber A. *J Lab Clin Med* 64:133-44, Jul 64
- Electrophoretic patterns from x-irradiated blood serums. Luzzio AJ.
- Proc Soc Exp Biol Med* 116:769-74, Jul 64

## BLOOD PROTEINS

- Serum protein turnover in experimental hypo- and hyperthyroidism. Kekki M.
- Acta Endocr (Copenhagen)* 46:Suppl 91:1-137, 1964
- Cardiac and peripheral failure in hemorrhagic shock in the dog. Rothe CF, et al.
- Amer J Physiol* 207:203-14, Jul 64
- Control of aldosterone secretion by change of body potassium in normal man. Gann DS, et al.
- Amer J Physiol* 207:104-8, Jun 64
- The loss of protein in human and canine hepatic bile. Hardwicke J, et al. *Clin Sci* 26:509-17, Jun 64
- Specific binding of an I-131-labeled ragweed pollen fraction by sera of untreated ragweed-sensitive humans. Lidd D, et al. *J Allerg* 35:289-305, Jul-Aug 64
- Non-specific effects of liver extract-adjunct injection in guinea pigs. A morphologic and immunologic study. Soergel KH, et al. *J Lab Clin Med* 64:51-9, Jul 64
- Changes of blood elements and the circulatory system in climbing. II. Sumiyoshi K, et al.
- Jap Circ J* 28:661-8, Sep 64
- Reduction of gamma globulin with long-acting thyroid-stimulating activity. Dorrington KJ, et al. *Lancet* 2:889-91, 24 Oct 64
- The plasma insulin "inhibitor" and immunoprecipitation assay. Kuzuya T, et al.
- Metabolism* 13:493-5, Jun 64
- Protein bound human growth hormone. Collipp PJ, et al. *Metabolism* 13:532-8, Jun 64
- Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. Simpson CF, et al.
- Proc Soc Exp Biol Med* 116:334-6, Jun 64
- Synthesis of plasma protein fractions in burned patients. Kukral JC, et al. *Surg Forum* 15:43-5, 1964

## BLOOD SEDIMENTATION

- Rheologic approach to thrombosis and atherosclerosis. Dintenfass L. *Angiology* 15:333-43, Aug 64
- Effect of castration in man upon blood sedimentation rate, hematocrit and hemoglobin. Hamilton JB, et al. *J Clin Endocr* 24:506-11, Jun 64

## BLOOD SPECIMEN COLLECTION

- The heparinized capillary tube as an epidemiologic tool. I. Syphilis and Salmonella serologic screening. Worth RM. *Amer J Hyg* 80:62-9, Jul 64

## BLOOD SUGAR

- Alcohol hypoglycemia. Effects of ethanol on plasma. 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? Arky RA, et al.
- Arch Intern Med (Chicago)* 114:501-7, Oct 64
- Direct automated determination of glucose by a glucose oxidase-peroxidase system. Getchell G, et al.
- Clin Chem* 10:540-8, Jun 64
- Semiautomatic determination of serum glucose and urea using a new three-channel pipetting machine. Sobolewski G. *Clin Chem* 10:563-7, Jun 64
- Action of insulin upon blood glucose levels of fasted hypophysectomized, depancreatized and normal chickens. Koike TI, et al.
- Endocrinology* 74:944-8, Jun 64
- Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64



L-leucine sensitivity and glucose tolerance in normal subjects. Becker FO, et al. *J Clin Endocr* 24:554-9, Jun 64

Changes of blood elements and the circulatory system in climbing. II. Sumiyoshi K, et al. *Jap Circ J* 28:881-8, Sep 64

A rapid enzyme-strip method for estimating blood-sugar. Rennie ID, et al. *Lancet* 2:884-6, 24 Oct 64

Abeside method of blood-glucose estimation. Cohen SL, et al. *Lancet* 2:883-4, 24 Oct 64

An intestinal hormone affecting glucose disposal in man. Dupre J. *Lancet* 2:872-3, 20 Sep 64

The growth-hormone-dependent sulphation factor in serum of untreated diabetics. Yde H. *Lancet* 2:825-6, 19 Sep 64

Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. Bleicher SJ, et al. *New Eng J Med* 271:866-72, 22 Oct 64

Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964

[Diabetes mellitus with normal blood sugar, hypokalaemia and low serum cholesterol] S Afr Med J 38:700-4, 29 Aug 64 (Af)

## BLOOD TRANSFUSION

Cardiac and peripheral failure in hemorrhagic shock in the dog. Rothe CF, et al. *Amer J Physiol* 207:203-14, Jul 64

The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. Rosse WF, et al. *J Clin Invest* 43:1348-54, Jul 64

Thrombocytopenia and megaloblastic anaemia of pregnancy. Jenkins GC, et al. *J Obstet Gynaec Brit Comm* 71:609-14, Aug 64

Intensive plasma therapy in the hemophilias. Roberts HR, et al. *JAMA* 190:546-8, 9 Nov 64

Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. Albright JA, et al. *JAMA* 190:548-50, 9 Nov 64

Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Burton GW, et al. *Lancet* 2:782-5, 10 Oct 64

Hemodynamic effects of blood transfusion in chronic anemia. Duke M, et al. *New Eng J Med* 271:975-80, 5 Nov 64

Selection of blood donors. Orrahood MD. *New Eng J Med* 271:799-800, 8 Oct 64

Pooled human plasma as a volume expander. Hillman RS. *New Eng J Med* 271:1027-32, 12 Nov 64

Post-transfusion anicteric hepatitis. Hampers CL, et al. *New Eng J Med* 271:749-54, 8 Oct 64

Effect of whole blood on the survival time of skin homografts in rabbits. Colberg JE, et al. *Surg Forum* 15:139-41, 1964

Changes in intracardiac pressures with overtransfusion of normal dogs. Yu SC, et al. *Surg Forum* 15:283-5, 1964

Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextran, or shed blood. Hoyt RK, et al. *Surg Forum* 15:34-5, 1964

[Acute hemolytic anemia due to naphthalene inhalation in 2 premature infants and 1 full-term infant] Irie U. *Deutsch Med Wschr* 89:1798-800, 18 Sep 64 (Ger)

## BLOOD VESSEL PROSTHESIS

The "subclavian steal" syndrome. Clinical and roentgenological observations in 8 cases. Kyllönen KE, et al. *Ann Chir Gynaec Fenn* 53:305-14, 1964

Repair of small arteries with contact cement and teflon graft. Khodadad G, et al. *J Neurosurg* 21:552-60, Jul 64

Femoral aneurysms. Review of surgical management. Pappas G, et al. *JAMA* 190:489-93, 9 Nov 64

Venous replacement with synthetic graft covered with canine pseudointima. Inokuchi K, et al. *Lancet* 2:700, 20 Sep 64

Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. Harrison TS, et al. *New Eng J Med* 271:985-9, 5 Nov 64

Arterial replacement by autogenous connective tissue tubes formed in polyurethane sponge. Matsumoto PJ, et al. *Surg Forum* 15:72-3, 1964

[Revascularization operations on the large neck vessels] Dupas M. *Presse Med* 72:2325-30, 28 Sep 64 (Fr)

## BLOOD VESSEL TRANSPLANTATION

Femoral aneurysms. Review of surgical management. Pappas G, et al. *JAMA* 190:489-93, 9 Nov 64

Venous replacement with synthetic graft covered with canine pseudointima. Inokuchi K, et al. *Lancet* 2:700, 20 Sep 64

Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. Harrison TS, et al. *New Eng J Med* 271:985-9, 5 Nov 64

[Revascularization operations on the large neck vessels] Dupas M. *Presse Med* 72:2325-30, 28 Sep 64 (Fr)

## BLOOD VESSELS

Alteration of vascular responses to endotoxin by adrenergic blockade. Brake CM, et al. *Amer J Physiol* 207:149-51, Jul 64

Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64

Effect of hydrogen ion changes on vascular resistance in isolated artery segments. Carrier O Jr, et al. *Amer J Physiol* 207:168-72, Jul 64

A note on the cutaneous arterial vessels of some primates. Baccaredda-Boy A. *Angiologica (Basel)* 1:209-12, 1964

Peripheral vasoconstriction induced by emotional stress in rats. Solomon GF, et al. *Angiology* 15:362-5, Aug 64

Vasculature of the cat eye. Wong VG, et al. *Arch Ophthalmol (Chicago)* 72:351-8, Sep 64

Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. Dahl LK, et al. *Circulation* 30:Suppl 2:11-22, Aug 64

Simplified technique for chronic catheterization of blood vessels. Herd JA, et al. *J Appl Physiol* 19:791-2, Jul 64

Hyperbaric oxygen and corneal neovascularisation. Henkind P. *Lancet* 2:836-8, 17 Oct 64

Vascular destruction and revascularization in severe thermal injuries. Order SE, et al. *Surg Forum* 15:37-9, 1964

[Significance of anisotropy and nonhomogenous factors in the determination of vascular elasticity II] Hardung V. *Angiologica (Basel)* 1:185-96, 1964 (Ger)

## BLOOD VISCOSITY

Rheologic approach to thrombosis and atherosclerosis. Dintenfass L. *Angiology* 15:333-43, Aug 64

Rate of sickling of red cells during deoxygenation of blood from persons with various sickling disorders. Charache S, et al. *Blood* 24:25-48, Jul 64

Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextran, or shed blood. Hoyt RK, et al. *Surg Forum* 15:34-5, 1964

Hemodynamic effects of low viscosity dextran in surgical shock. Carey JS, et al. *Surg Forum* 15:22-4, 1964

[On a side-effect of cardiac glycosides on the viscosity of the blood] Müller HE. *Blut* 10:56-60, Mar 64 (Ger)

## BLOOD VOLUME

Control of aldosterone secretion by change of body potassium in normal man. Gann DS, et al. *Amer J Physiol* 207:104-8, Jul 64

Normal blood volumes in the horse. Marcilese NA, et al. *Amer J Physiol* 207:223-7, Jul 64

Changes in red cell mass after pelvic fracture. Zeldman H, et al. *Arch Surg (Chicago)* 89:596-601, Oct 64

Actual and predicted-normal red-cell and plasma volumes in primary and secondary polycythemia. Hume R, et al. *Clin Sci* 28:499-508, Jun 64

Blood volume changes in patients with burns treated with either colloid or saline solutions. Davies JW. *Clin Sci* 28:429-43, Jun 64

Effects of chlorothiazide on working capacity of normal subjects. Danzinger RG, et al. *J Appl Physiol* 19:636-8, Jul 64

Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Burton GW, et al. *Lancet* 2:782-5, 10 Oct 64

Pooled human plasma as a volume expander. Hillman RS. *New Eng J Med* 271:1027-32, 12 Nov 64

Effect of blood volume changes on renin-like activity in blood. Ziegler M, et al. *Proc Soc Exp Biol Med* 116:774-8, Jul 64

Effects of minimal blood volume changes on renal blood flow. King TC, et al. *Surg Forum* 15:494-6, 1964

Changes in intracardiac pressures with overtransfusion of normal dogs. Yu SC, et al. *Surg Forum* 15:283-5, 1964

## BLOODLETING

The significance of iron turnover in the control of iron absorption. Weintroub LR, et al. *Blood* 24:19-24, Jul 64

Priapism: case report and review of mechanism. Boerema WJ. *Med J Aust* 2:340-1, 29 Aug 64

## BODY COMPOSITION

The body composition of obese subjects. Studies of the effect of weight loss on the fat and lean body mass. Christian JE, et al. *Amer J Clin Nutr* 15:20-8, Jul 64

The total weight of mineral in the human infant. Garrow JS, et al. *Brit J Nutr* 18:409-12, 1964

A hydraulic scale for in-bed weighing of patients. Roe CF, et al. *J Appl Physiol* 19:820-2, Jul 64

Influence of body composition on adrenal function in obesity. Prezio JA, et al. *J Clin Endocr* 24:481-5, Jun 64

Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in

zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64

Correlation between total exchangeable potassium and resting energy expenditure. Lister J, et al. *Surg Forum* 15:83-4, 1964

## BODY FLUIDS

Total body water in farm animals. Hansard SL. *Amer J Physiol* 206:1389-72, Jun 64

Human ciliated epithelial cells in nasal secretions. Morphologic and histochemical aspects. Bryan WT, et al. *Ann Otol* 73:474-87, Jun 64

Gas chromatographic determination of lower alcohols in biologic samples. Lyons H, et al. *Clin Chem* 10:429-32, May 64

## BODY HEIGHT

Heights and weights of white nursery-school children n Pretoria. Prinsloo JG. *S Afr Med J* 38:601-6, 15 Aug 64

## BODY TEMPERATURE

Electrocardiographic changes in accidental hypothermia. Ree MJ. *Brit Heart J* 28:566-71, Jul 64

The blood pressure in myxoedema coma. Bellau AR. *Brit J Clin Pract* 18:387-93, Jul 64

Application of thermography to the problem of placental localization: preliminary communication. Young RJ. *Brit Med J* 5415:978-81, 17 Oct 64

Autonomic changes during paroxysmal EEG activity. Johnson LC, et al. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64

Alveolar capillary temperature compared with aortic and bronchial wedge temperatures. Edwards AW. *J Appl Physiol* 19:780-4, Jul 64

A new technic for the demonstration of skin temperature patterns. Crissey JT, et al. *J Invest Derm* 43:89-91, Aug 64

## BODY TEMPERATURE REGULATION

Behavioral thermoregulation in response to local cooling of the rat brain. Satinoff E. *Amer J Physiol* 206:1389-94, Jun 64

Physiological reactions to cold of men in the Antarctic. Wyndham CH, et al. *J Appl Physiol* 19:593-7, Jul 64

Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. Wyndham CH, et al. *J Appl Physiol* 19:607-12, Jul 64

Physiological reactions of Caucasian and Bantu males in acute exposure to cold. Wyndham CH, et al. *J Appl Physiol* 19:583-92, Jul 64

Heat reactions of Caucasians and Bantu in South Africa. Wyndham CH, et al. *J Appl Physiol* 19:598-606, Jul 64

## BODY WEIGHT

Control of aldosterone secretion by change of body potassium in normal man. Gann DS, et al. *Amer J Physiol* 207:104-8, Jul 64

The intake of milk and the retention of its constituents while the newborn rabbit doubles its weight. Davies JS, et al. *Brit J Nutr* 18:395-92, 1964

A hydraulic scale for in-bed weighing of patients. Roe CF, et al. *J Appl Physiol* 19:820-2, Jul 64

Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64

Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. Verdino B, et al. *J Nutr* 83:234-8, Jul 64

Effects of feeding frequency on metabolism, rate and efficiency of gain and on carcass quality of pigs. Friend DW, et al. *J Nutr* 83:251-6, Jul 64

Heights and weights of white nursery-school children n Pretoria. Prinsloo JG. *S Afr Med J* 38:601-6, 15 Aug 64

## BONE AND BONES

Studies on intramedullary pressure and blood flow in bone. Shaw NE. *Amer Heart J* 68:134-5, Jul 64

Severe undernutrition in growing and adult animals. 12. The extremities of the long bones in pigs. Pratt CW, et al. *Brit J Nutr* 18:393-408, 1964

The total weight of mineral in the human infant. Garrow JS, et al. *Brit J Nutr* 18:409-12, 1964

Blood and bones. *Lancet* 2:740-1, 3 Oct 64

Distribution of cesium-137 after chronic exposure in dogs and mice. Furchner JE, et al. *Proc Soc Exp Biol Med* 116:375-8, Jun 64

Effect of dietary magnesium and fluoride on citric acid content of chick bones. Griffith FD, et al. *Proc Soc Exp Biol Med* 116:622-3, Jul 64

The physiology of the extension of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:909-18, Aug 64

Effect of acidic polysaccharides on bone uptake of radioactive strontium and calcium. Paul TM, et al. *Surg Forum* 15:66-7, 1964

Micro-analysis of bone by laser microprobe. Lithwick NH, et al. *Surg Forum* 15:439-41, 1964



## BONE CYST

Dysfibroplasia, dyschondroplasia and dysosteoplasia of bone. Edling NP.  
*Acta Radiol [Diagn] (Stockholm)* 2:283-8, Jul 64

## BONE DEVELOPMENT

Effect of venous stasis on long bone growth in the dog.  
 Keck SW, et al. *Surg Forum* 15:443-4, 1964

## BONE DISEASES

Dysfibroplasia, dyschondroplasia and dysosteoplasia of bone. Edling NP.  
*Acta Radiol [Diagn] (Stockholm)* 2:283-8, Jul 64  
 Changes in bone associated with cyanotic congenital cardiac disease. Nice CM Jr, et al.  
*Amer Heart J* 68:25-31, Jul 64  
 Blood and bones. *Lancet* 2:740-1, 3 Oct 64  
 Aspects of orbital disease. Some rare tumors of the orbit. Lambert V. *Proc Roy Soc Med* 57:737-8, Aug 64

## BONE MARROW

Studies on intramedullary pressure and blood flow in bone. Shaw NE. *Amer Heart J* 68:134-5, Jul 64  
 Lymphatic drainage of bone marrow. Fuller KM, et al.  
*Aust New Zeal J Surg* 34:11-4, Aug 64  
 Effect of riboflavin deficiency on bone marrow function and protein metabolism in baboons. Preliminary report. Foy H, et al.  
*Brit J Nutr* 18:307-18, 1964  
 Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. Rubini JR, et al. *Cancer Res* 24:655-61, May 64  
 Distribution of cesium-137 after chronic exposure in dogs and mice. Furchner JE, et al.  
*Proc Soc Exp Biol Med* 116:375-8, Jun 64  
 Radiation effects on cell cycle dynamics. Hendrickson FR, et al. *Radiology* 83:131-40, Jul 64  
 [Histochemical enzyme studies on rat bone marrow] Ketels-Harken H. *Blut* 10:49-55, Mar 64 (Ger)

## BONE MARROW CELLS

Effect of high doses of cortisone on bone marrow cell proliferation in the Syrian hamster. Cardinali G, et al.  
*Cancer Res* 24:969-72, Jul 64  
 In vitro studies of cell types responsive to erythropoietin. Takaku F, et al.  
*Endocrinology* 74:968-72, Jun 64  
 In vitro studies on the effect of erythropoietin on glucosamine-1-14C incorporation into rat bone marrow cells. Dukes PP, et al.  
*Endocrinology* 74:960-7, Jun 64  
 Characteristics of cell proliferation in a patient with acute leukaemia. Mauer AM. *Lancet* 2:675-8, 20 Sep 64  
 In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. Nielsen NO, et al. *Proc Soc Exp Biol Med* 116:498-501, Jun 64

## BONE MARROW DISEASES

[Hematopoietic cell grafts and their applications] Mathé G. *Presse Med* 72:2391-4, 3 Oct 64 (Fr)

## BONE MARROW EXAMINATION

[Quantitative changes in hematopoiesis in chronic hepatitis, fatty cirrhosis and atrophic liver cirrhosis] Tai HB. *Blut* 10:67-81, Mar 64 (Ger)

## BONE MARROW TRANSPLANTATION

Marrow transplantation measured by uptake of Fe59 by spleen. Smith LH. *Amer J Physiol* 206:1244-50, Jun 64  
 Autologous marrow-transplant in acute lymphatic leukaemia producing spherocytic red cells. Leonard BJ, et al. *Lancet* 2:843-4, 17 Oct 64  
 Surgical studies in hematopoiesis—successful growth of homologous bone marrow in an ectopic locus using imuran. Sabet-Payman K, et al.  
*Surg Forum* 15:146-8, 1964  
 [Hematopoietic cell grafts and their applications] Mathé G. *Presse Med* 72:2391-4, 3 Oct 64 (Fr)

## BONE NEOPLASMS

Osteochondroma of the zygomatic bone. Laws IM. *Brit J Plast Surg* 17:303-8, Jul 64  
 Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al.  
*Cancer Res* 24:754-62, May 64  
 The role of radiotherapy in the treatment of tumours in children. Pearson D. *J Clin Path* 17:423-6, Jul 64  
 Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. *J Neurosurg* 20:474-93, Jun 63  
 Radioactive phosphorus treatment of bone-metastatic carcinoma of the prostate. Smart JG.  
*Lancet* 2:882-3, 24 Oct 64

## BONE REGENERATION

Influence of the adrenal glands upon fracture healing. Greenburg F, et al. *Surg Forum* 15:445-6, 1964  
 Effects of sodium ethylenediamine tetra-acetic acid on fracture healing. Ledbetter JR, et al.  
*Surg Forum* 15:446-8, 1964  
 Resorption precedes formative activity. Takahashi H, et al. *Surg Forum* 15:437-8, 1964  
 Effect of open reduction on fracture healing. Herms RA, et al. *Surg Forum* 15:448-50, 1964

## BONE RESORPTION

Parathormone-induced osteolysis in dogs. A microradiographic and alphasradiographic survey. Bélanger LF, et al.  
*J Bone Joint Surg [Amer]* 46:1008-12, Jul 64  
 Resorption precedes formative activity. Takahashi H, et al. *Surg Forum* 15:437-8, 1964

## BONE TRANSPLANTATION

Cranioplasty in a craniopagus twin. Voris HC.  
*J Neurosurg* 20:145-7, Feb 63  
 The fate of replaced bone flaps. Hancock DO.  
*J Neurosurg* 20:983-4, Nov 63  
 Skeletal reconstruction of the hand. Butler AA.  
*Surg Clin N Amer* 44:995-1008, Aug 64

## BORDETELLA

[Parapertussis] Simon C.  
*Deutsch Med Wschr* 89:1733-9, 11 Sep 64 (Ger)

## BORDETELLA PERTUSSIS

Anaphylactic reactions in mice induced by Bordetella pertussis lipopolysaccharide. Malkiel S, et al.  
*J Allerg* 35:306-12, Jul-Aug 64

## BORRELIA INFECTIONS

Isolation of Borrelia reframegens in pure culture from patients with condylomata acuminata. Hanson AW, et al. *J Bact* 88:111-3, Jul 64

## BOTULISM

Status of botulism in the United States. Osheroff BJ, et al. *Public Health Rep* 79:871-8, Oct 64

## BRACHIAL ARTERY

Genesis of Korotkoff sounds. Chungcharoen D. *Amer J Physiol* 207:180-4, Jul 64  
 Repair of small arteries with contact cement and teflon graft. Khodadad G, et al. *J Neurosurg* 21:552-60, Jul 64  
 The quantities of sodium diatrizoate in cerebral vessels during arteriography. Kutt H, et al.  
*J Neurosurg* 20:515-9, Jun 63  
 Cerebral angiography in the monkey by retrograde brachial injection. White RJ, et al.  
*J Neurosurg* 20:406-9, May 63  
 Discoid lupus erythematosus eruption with digital arterial occlusion. Gold SC.  
*Proc Roy Soc Med* 57:516, Jun 64  
 The diagnosis and treatment of arterial injuries of the upper extremity. MacLean LD.  
*Surg Clin N Amer* 44:1037-47, Aug 64

## BRADYCARDIA

Electrocardiograms of marathon runners in 1962 Commonwealth games. Smith WG, et al.  
*Brit Heart J* 26:469-76, Jul 64  
 Use of low-molecular-weight dextran in management of foetal distress in labour. Jones JB.  
*Brit Med J* 5414:909-10, 10 Oct 64  
 Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. Kong Y, et al.  
*Circulation* 30:109-13, Jul 64

## BRADYKININ

Shwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. Antopol W, et al.  
*Arch Path (Chicago)* 78:313-24, Oct 64  
 Effect of drug infusion on the systemic and splanchnic circulation. I. Bradykinin infusion in normal subjects. Feruglio FS, et al. *Clin Sci* 26:487-91, Jun 64  
 Bradykinin (a vasoactive polypeptide). Mitchell JC. *New Eng J Med* 271:1057-9, 12 Nov 64  
 [Mechanical aspects of ventilation in anaphylactic shock in rabbits] Troquet J.  
*Int Arch Allerg* 24:356-72, 1964 (Fr)

## BRAIN

Oxydative phosphorylation in aortic homogenates. Wollemann M, et al.  
*J Atheroscler Res* 4:367-9, Jul-Aug 64  
 Ion exchange chromatography of intact brain

phospholinositides on diethylaminoethyl cellulose by gradient salt elution in a mixed solvent system. Hendrickson HS, et al.  
*J Biol Chem* 239:1369-73, May 64  
 Morphological and chemical studies in cerebral edema. I. Cold induced edema. Bakay L, et al.  
*J Neuropath Exp Neurol* 23:393-418, Jul 64  
 Experimental production of cerebral hypothermia by ventricular perfusion techniques. Costal M, et al.  
*J Neurosurg* 20:112-7, Feb 63  
 New instrument for brain biopsy. Hallac I, et al.  
*J Neurosurg* 20:529-30, Jun 63  
 Subthalamotomy in treatment of parkinsonian tremor. Andy OJ, et al. *J Neurosurg* 20:860-70, Oct 63  
 Occlusion of the blood supply to the brain of the goat: protective effect of deep hypothermia. Smith MC, et al. *J Neurosurg* 20:46-59, Jan 63  
 Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64  
 Distribution and metabolism of mescaline-C14 in the cat brain. Neff N, et al.  
*J Pharmacol Exp Ther* 144:1-7, Apr 64  
 Assessment of cerebral effects of deliberate hypotension by psychological measurements. Eckenhoff JE, et al. *Lancet* 2:711-4, 3 Oct 64  
 Instability of myelin antigens derived from human brain. Böhme D, et al. *Lancet* 2:886-8, 24 Oct 64  
 Tilt-table encephalography. Glanturco C, et al.  
*Radiology* 83:46-7, Jul 64  
 Prolonged circulatory arrest with preferential cerebral hypothermia and resuscitation by external cardiac massage. Wolfson SK Jr, et al.  
*Surg Forum* 15:415-7, 1964  
 Profound selective cerebral hypothermia in dogs by naso-oral perfusion and head immersion. Brown HW, et al. *Surg Forum* 15:413-5, 1964  
 [Muscle tonus. Physiological and physiopathological aspects. I. The physiologist in relation to muscle tonus] Mamo H, et al.  
*Presse Med* 72:2107-12 contd, 29 Aug 64 (Fr)  
 [Does hunger during infancy inhibit brain growth and development of intelligence?] Harnack GA von. *Deutsch Med Wschr* 89:1957-8, 9 Oct 64 (Ger)

## BRAIN ABSCESS

Cerebral amebiasis: report of 17 cases. Lombardo L, et al. *J Neurosurg* 21:704-9, Aug 64  
 Intracranial suppuration. A review of 139 consecutive cases with electron-microscopic observations on three. Kiser JL, et al. *J Neurosurg* 20:494-511, Jun 63  
 Bilateral subdural empyema. Report of a case with arteriograms. Genest AS, et al.  
*J Neurosurg* 20:524-8, Jun 63  
 Brain abscess due to Haemophilus aphrophilus. Isom JB, et al. *New Eng J Med* 271:1059-61, 12 Nov 64

## BRAIN CHEMISTRY

Tissue copper proteins in Wilson's disease. Intracellular distribution and chromatographic fractionation. Porter H.  
*Arch Neurol (Chicago)* 11:341-9, Oct 64  
 Morphological and chemical studies in cerebral edema. I. Cold induced edema. Bakay L, et al.  
*J Neuropath Exp Neurol* 23:393-418, Jul 64  
 Cerebral deposition of drugs at low temperatures. Baldwin M, et al. *J Neurosurg* 20:637-46, Aug 63  
 The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. Burack WR, et al.  
*J Pharmacol Exp Ther* 144:66-75, Apr 64  
 An electroencephalographic and chemical re-evaluation of the central action of reserpine in the rabbit. Pscheidt GR, et al.  
*J Pharmacol Exp Ther* 144:37-44, Apr 64  
 On the mechanism of emesis induced by 5-hydroxytryptamine. Cahen RL.  
*Proc Soc Exp Biol Med* 116:402-4, Jun 64  
 Carbon dioxide effect on cerebral oxygenation at increased atmospheric pressures. Pinto D, et al.  
*Surg Forum* 15:411-2, 1964

## BRAIN CONCUSSION

Head injuries in a peripheral hospital. Eaton DH. *Lancet* 2:907-8, 24 Oct 64

## BRAIN DAMAGE, CHRONIC

The use of drug combinations in pediatric psychiatry. Faretra G, et al. *Curr Ther Res* 6:340-3, May 64  
 A comparison of pargyline and tranlycypromine with and without the addition of trifluoperazine: a double-blind study. Sharpley P, et al.  
*Curr Ther Res* 6:344-52, May 64  
 Industrial methyl-bromide poisoning in fumigators. A case report and field investigation. Drawneek W, et al. *Lancet* 2:855-6, 17 Oct 64  
 Head injuries in a peripheral hospital. Eaton DH. *Lancet* 2:907-8, 24 Oct 64



## BRAIN DISEASES

- Alexander's disease. Friede RL.  
Arch Neurol (Chicago) 11:414-22, Oct 64
- Acute hemiplegia in childhood. Gordon GC.  
Brit Med J 5415:1009, 17 Oct 64
- DC recordings of paroxysmal disorders in man. Cohn R.  
Electroenceph Clin Neurophysiol 17:17-24, Jul 64
- The critical role of defense mechanisms in the outcome of chronic brain syndromes in the aged. Gericke OL, et al. J Amer Geriatr Soc 12:646-51, Jul 64
- Morphological and chemical studies in cerebral edema. I. Cold induced edema. Bakay L, et al.  
J Neuropath Exp Neurol 23:393-418, Jul 64
- Experimental studies on the production and prevention of cerebral infarction in dogs. Handa J.  
J Neuropath Exp Neurol 23:457-76, Jul 64
- Neuropathologic findings in exotic neurologic disorders among natives of the highlands of New Guinea. Neumann MA, et al.  
J Neuropath Exp Neurol 23:486-507, Jul 64
- Pseudotumor cerebri in children secondary to administration of adrenal steroids. Cohn GA.  
J Neurosurg 20:784-6, Sep 63
- Trigeminal neuralgia caused by cysticercosis of the cavum meckelli: report of two cases. Tenuto RA, et al.  
J Neurosurg 20:169-71, Feb 63
- Cerebral hydatidosis. Clinical case report with a review of pathogenesis. Ayres CM, et al.  
J Neurosurg 20:371-7, May 63
- Cerebral tuberculoma simulating cystic glioma: a case report. Rao BD, et al. J Neurosurg 20:172-3, Feb 63
- Tuberculoma of the brain. A clinical and angiographic study. Higazi I. J Neurosurg 20:378-86, May 63
- Cyanide encephalopathy in man? Smith AD.  
Lancet 2:668-70, 20 Sep 64
- Evidence for a genetic etiology of temporal-central abnormalities in focal epilepsy. Bray PF, et al.  
New Eng J Med 271:926-33, 29 Oct 64
- [Muscle tonus. Physiological and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al.  
Presse Med 72:2213-8 concl, 19 Sep 64 (Fr)

## BRAIN EDEMA

- [Brain volume and thiocyanate space in local cold injury. Streicher E, et al.  
Arch Neurol (Chicago) 11:444-8, Oct 64
- EEG study of tetany and spasmodophilia. Roth B, et al.  
Electroenceph Clin Neurophysiol 17:36-45, Jul 64
- Experimental postoperative cerebral edema. Mann FD, et al. J Neurosurg 20:687-91, Aug 63
- [Hormone therapy of cerebral edema in cerebrovascular accidents] Façon E, et al.  
Presse Med 72:2377-9, 3 Oct 64 (Fr)

## BRAIN ELECTROPHYSIOLOGY

- Unit activity during polarization of the optic tract and lateral geniculate body. Vastola EF, et al.  
Amer J Physiol 206:1401-7, Jun 64
- Electrical changes in brain and eye of developing chick during hyperthermia. Peters JJ, et al.  
Amer J Physiol 207:260-4, Jul 64
- Click-evoked potential map from the superior olivary nucleus. Biedenbach MA, et al.  
Amer J Physiol 206:1408-14, Jun 64
- A proposed differentiated neuro-effector organization in muscle resistance vessels. Folkow B, et al.  
Angiologica (Basel) 1:197-208, 1964
- Electroencephalographic waves with voluntary movement. Study in the rat. Vanderwolf CH, et al.  
Arch Neurol (Chicago) 11:379-84, Oct 64
- Ventrolateral and subventrolateral thalamic stimulation. Motor effects. Ohye C, et al.  
Arch Neurol (Chicago) 11:427-34, Oct 64
- Physiological identification of the thalamic nucleus. Yoshida M, et al.  
Arch Neurol (Chicago) 11:435-43, Oct 64
- Depth electrographic observations in two cases of photo-oculoclonic response. Chatrian GE, et al.  
Electroenceph Clin Neurophysiol 17:71-5, Jul 64
- Effect of deep hypothermia on the electrical activity of the brain. Lipp JA.  
Electroenceph Clin Neurophysiol 17:46-51, Jul 64
- Micro-electrode studies of experimental 3/sec wave and spike in the cat. Pollen DA, et al.  
Electroenceph Clin Neurophysiol 17:57-67, Jul 64
- DC recordings of paroxysmal disorders in man. Cohn R.  
Electroenceph Clin Neurophysiol 17:17-24, Jul 64
- Cortical evoked responses to visual stimulation in full-term and premature newborns. Hrbeek A, et al.  
Electroenceph Clin Neurophysiol 16:575-81, Jun 64
- Comparison of constant current and constant voltage stimulators for scalp-recorded somatosensory responses. Schwartz M, et al.  
Electroenceph Clin Neurophysiol 17:81-3, Jul 64
- Studies on the supracallosal mesial cortex of unanesthetized, conscious mammals. II. Monkey. D. vertex sharp waves and epileptiform activity. Hughes JR, et al.  
Electroenceph Clin Neurophysiol 16:561-74, Jun 64
- The significance of N. amygdalae in the genesis of

- electrical activity of the brain during recovery after prolonged circulatory arrest. Gurvitch AM.  
Electroenceph Clin Neurophysiol 16:549-60, Jun 64
- The avian EEG: an artifact associated with ocular movement. Paulson G.  
Electroenceph Clin Neurophysiol 16:611-3, Jun 64
- Monoventricular hypothermic perfusion. Cortical electric responses to anaesthetic agents. Costal M, et al.  
J Neurosurg 20:675-8, Aug 63
- Neurosurgical classic. XII. Wilkins RH.  
J Neurosurg 20:904-16, Oct 63
- Electrocardiographic observation simultaneously with stimulation of thalamus and globus pallidus and thalamic coagulation. (Is there a neurocardiac relationship to the thalamus and globus pallidus?). Davie JC. J Neurosurg 20:387-9, May 63

## BRAIN ENZYMOLOGY

- Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al.  
Cancer Res 24:709-21, May 64
- Staining patterns of phosphatases of the central nervous system with azo-dye methods. Kaluza JS, et al. J Neuropath Exp Neurol 23:477-85, Jul 64
- Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. Abraham S, et al. J Nutr 83:273-88, Jul 64

## BRAIN INJURY, ACUTE

- Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al.  
Brain 87:233-62, Jun 64
- X-irradiation induced acute brain damage as a function of age. Diller DA, et al.  
J Neuropath Exp Neurol 23:446-56, Jul 64
- Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. Gurdjian ES, et al. J Neurosurg 20:418-27, May 63
- Blood-group frequencies and astrocytoma. Garcia JH, et al. J Neurosurg 20:397-9, May 63
- The neurological deficit after extradural haematoma. Troupp H, et al. Lancet 2:891-2, 24 Oct 64
- Hazards to health: the motor scooter. Frank ED.  
New Eng J Med 271:836, 15 Oct 64
- Use of steroids in clinical and experimental cerebral edema. Scialabba DA, et al. Surg Forum 15:426-7, 1964
- Production of clinical forms of head injury in the dog. Bouzarth WF, et al. Surg Forum 15:421-3, 1964
- [Pathological-anatomical findings in the cervical spine region of patients with skull injuries with fatal outcome] Leichsenring F.  
Deutsch Med Wschr 89:1469-75, 31 Jul 64 (Ger)

## BRAIN NEOPLASMS

- Disseminated hemangiomatosis. The newborn with central nervous system involvement. Burke EC, et al.  
Amer J Dis Child 108:418-24, Oct 64
- Intracranial teratoma replacing brain. Report of a case. Oberman B. Arch Neurol (Chicago) 11:423-6, Oct 64
- Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al.  
Brain 87:233-62, Jun 64
- The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al.  
Brit J Radiol 37:486-510, Jul 64
- Comparison of coincidence counting and focusing collimators with various isotopes in brain tumour detection. Matthews CM.  
Brit J Radiol 37:531-43, Jul 64
- Metastasis from the brain. Greene HS, et al.  
Cancer Res 24:1021-7, Jul 64
- Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al.  
Cancer Res 24:754-62, May 64
- Mental and seizure manifestations in relation to brain tumors. A statistical study. Güvener A, et al.  
Epilepsia (Amst) 5:166-76, Jun 64
- The role of radiotherapy in the treatment of tumours in children. Pearson D. J Clin Path 17:423-6, Jul 64
- Tumours of the central nervous system in children. Yates PO. J Clin Path 17:418-22, Jul 64
- Fetal spongiblastoma. Duckett S, et al.  
J Neuropath Exp Neurol 23:560-4, Jul 64
- The problem of multicentric gliomas. Batzdorf U, et al.  
J Neurosurg 20:122-36, Feb 63
- Preoperative hormonal treatment in cases of cerebral tumor. Bernard-Weil E, et al.  
J Neurosurg 20:841-8, Oct 63
- Neurosurgical classics--XXI. Wilkins RH, et al.  
J Neurosurg 21:713-23, Aug 64
- Further experience with the radio transmitter receiver unit for the neurogenic bladder. Bradley WE, et al.  
J Neurosurg 20:953-60, Nov 63
- Nasal gliomas: a report of five cases with electron microscopy of one. Smith KR Jr, et al.  
J Neurosurg 20:968-82, Nov 63
- Pseudotumor cerebri in children secondary to administration of adrenal steroids. Cohn GA.  
J Neurosurg 20:784-6, Sep 63

- Clinical implications of adipsia. Skultety FM, et al.  
J Neurosurg 20:793-800, Sep 63
- Primary reticulum-cell sarcoma of the brain. Albites VE. J Neurosurg 20:777-83, Sep 63
- Meningioma in the foramen magnum in a boy aged 8 years. Porras CL. J Neurosurg 20:167-8, Feb 63
- Cerebral teratoma associated with epignathus in a newborn infant. Duckett S, et al.  
J Neurosurg 20:888-91, Oct 63
- Metastatic carcinoma in a meningioma: report of a case. Best PV. J Neurosurg 20:892-4, Oct 63
- Fractional cisternal pneumoencephalography in 100 patients with intracranial space-consuming lesions. Keegan HR, et al. J Neurosurg 20:318-20, Apr 63
- Relative diagnostic value of air study and angiography in suprasellar masses. Bakay L, et al.  
J Neurosurg 20:729-39, Sep 63
- Neurosurgical classics. VI. Wilkins RH.  
J Neurosurg 20:366-9 concl, Apr 63
- Oligodendroglioma with 35-year survival. Freeman L, et al. J Neurosurg 20:363-5, Apr 63
- Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. Abraham J, et al. J Neurosurg 20:252-3, Mar 63
- Cerebral hemangioblastomas: review of literature and report of two personal cases. Morello G, et al.  
J Neurosurg 20:254-64, Mar 63
- Spongiblastoma polare of the cerebral hemisphere. Schisano G, et al. J Neurosurg 20:241-51, Mar 63
- Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. Tindall GT, et al. J Neurosurg 20:985-94, Nov 63
- Meningioma and astrocytoma adjacent in the brain. Nagashima C, et al. J Neurosurg 20:995-9, Nov 63
- The production of a virus-induced tumor in the central nervous system of monkeys. Ausman JI, et al.  
J Neurosurg 21:660-6, Aug 64
- An experimental study of tissue-concentration ratios of As<sup>74</sup> arsenate and labeled organic conjugates. McQueen JD, et al. J Neurosurg 21:641-6, Aug 64
- Suprachiasmatic and intraventricular meningioma in a four-year-old child. Teng P, et al.  
J Neurosurg 20:174-6, Feb 63
- Cryogenic freezing of brain tumors for excision or destruction in situ. Cooper IS, et al.  
J Neurosurg 20:921-30, Nov 63
- Extravascular local cooling of the brain in man. Ommaya AK, et al. J Neurosurg 20:8-20, Jan 63
- Pigmented meningioma. Turnbull IM, et al.  
J Neurosurg 20:76-80, Jan 63
- Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. J Neurosurg 20:474-93, Jun 63
- Angiography in cerebrovascular disease. Pribram HF. J Neurosurg 20:34-40, Jan 63
- Blood-group frequencies and astrocytoma. Garcia JH, et al. J Neurosurg 20:397-9, May 63
- Intracavitary irradiation of malignant brain tumours. Drake CG, et al. J Neurosurg 20:428-34, May 63
- The metabolism and excretion of Co<sup>57</sup> tetraphenylporphinesulfonate in cancer patients. Winkelman J, et al. J Nucl Med 5:462-70, Jun 64
- Cancer of the head and neck in children. Sutow WW. JAMA 190:414-6, 2 Nov 64
- Malignant lymphoma-cells in the cerebrospinal fluid. Janota I. Lancet 2:677-8, 20 Sep 64
- The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al.  
Radiology 83:26-35, Jul 64
- Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Phillips TL, et al. Radiology 83:98-105, Jul 64
- Age and sex factors in experimental brain tumors. Perese DM. Surg Forum 15:429-31, 1964
- Behavior of human glioma cells in cerebrospinal fluid. Wilson CB, et al. Surg Forum 15:431-2, 1964
- [Acute myeloblastic leukemia with prolonged course and isolated and late encephalo-meningeal localization] Ougier J, et al.  
Presse Med 72:2227-8, 19 Sep 64 (Fr)

## BRAIN PHYSIOLOGY

- Neurosurgical classic--XXII. Wilkins RH.  
J Neurosurg 21:724-33, Aug 64
- Effects of urea and other dehydrating agents upon dog brain. Goldstein SL, et al.  
J Neurosurg 21:672-7, Aug 64
- Effect of central nervous system lesions on barbiturate sleeping time in the rat. Harvey JA, et al.  
J Pharmacol Exp Ther 144:24-36, Apr 64

## BRAIN STEM

- Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM.  
Brit Med J 5417:1104-7, 31 Oct 64

## BREAD

- A preliminary note on the nutrient composition and



protein value of green maize. Dreyer JJ, et al. *S Afr Med J* 38:648-52, 22 Aug 64

## BREAST

Histopathological aspects of mammary gland tissue in cases of plastic surgery of breast. Pitanguy I, et al. *Brit J Plast Surg* 17:297-302, Jul 64  
[Hyperpigmentation of the mammary areolae and of the external genitalia and gynecomastia during treatment with griseofulvin] Durand P, et al. *Minerva Med* 55:2422-5, 18 Aug 64 (It)

## BREAST DISEASES

Histopathological aspects of mammary gland tissue in cases of plastic surgery of breast. Pitanguy I, et al. *Brit J Plast Surg* 17:297-302, Jul 64

## BREAST NEOPLASMS

Breast cancer and cytologic dysplasia in many organs after busulfan (myleran). Nelson BM, et al. *Amer J Clin Path* 42:37-44, Jul 64  
The combined thiotepa and testosterone treatment of cancer of the breast. Brown IS, et al. *Brit J Cancer* 18:238-46, Jun 64  
Differential 17-oxosteroid excretion in women with cancer of the breast following hypophysectomy. Khattab AA, et al. *Brit J Cancer* 18:342-53, Jun 64  
Oral contraceptives and breast cancer. Stoll BA. *Brit Med J* 5413:875, 3 Oct 64  
Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. Demetriou JA, et al. *Cancer Res* 24:926-34, Jun 64  
Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64  
Lung changes following cobalt therapy for carcinoma of the breast. Papavasiliou C, et al. *Clin Radiol* 15:242-5, Jul 64  
Pre-operative irradiation in the treatment of patients with carcinoma of the oesophagus and of some other sites. Nakayama K. *Clin Radiol* 15:232-41, Jul 64  
Cancer in pregnancy. Cade S. *J Obstet Gynaec Brit Comm* 71:341-8, Jun 64  
Androgens in human breast cancer. Bulbrook RD, et al. *Proc Roy Soc Med* 57:523-5, Jun 64  
Seven-year survival after bilateral adrenalectomy and oophorectomy for carcinomatosis. Taylor H. *Proc Roy Soc Med* 57:676-8, Aug 64  
[Palliative treatment of cancers with thio-TEPA. Study of 115 cases. Value in breast cancers] Lagarde C, et al. *Presse Med* 72:2285-90, 23 Sep 64 (Fr)  
[Clinical evaluation of the proteo-anabolic activity of 1-methyl-delta androstenedione in patients with malignant neoplasms during actinotherapy] Pipino G. *Minerva Med* 55:2413-7, 18 Aug 64 (It)

## BRETYLIUM COMPOUNDS

The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64  
DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al. *Proc Soc Exp Biol Med* 116:705-12, Jul 64

## BROMIDES

Excessive consumption of drugs. Segal M. *Brit Med J* 5414:942-3, 10 Oct 64  
The effect of sodium bromide on tumor growth. Taylor A, et al. *Cancer Res* 24:751-5, May 64  
Dialyzable poisons: in vitro efficacy of a modified Skeggs-Leonards hemodialyzer with a comparison to clinical results. Wieth JO, et al. *J Lab Clin Med* 64:60-71, Jul 64  
Industrial methyl-bromide poisoning in fumigators. A case report and field investigation. Drawneek W, et al. *Lancet* 2:855-6, 17 Oct 64

## BROMINE

The phosphorylation reaction that accompanies the nonenzymic oxidation of 2-methyl-1,4-naphthohydroquinone diphosphate. Tomasi GE, et al. *J Biol Chem* 239:1604-13, May 64

## BRONCHI

Experience with endobronchial medication. Saeed AH. *Dis Chest* 46:143-9, Aug 64  
Cell turnover in the respiratory tract. Shorter RG, et al. *Dis Chest* 46:138-42, Aug 64  
An experimental study of bronchial glands. Goco RV, et al. *Dis Chest* 46:115-29, Aug 64  
Relationship of changing bronchial caliber to respiration in the dog. Colgan FJ. *J Appl Physiol* 19:803-11, Jul 64  
Alveolar capillary temperature compared with aortic

and bronchial wedge temperatures. Edwards AW. *J Appl Physiol* 19:760-4, Jul 64  
A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al. *Proc Soc Exp Biol Med* 116:331-3, Jun 64

## BRONCHIAL DISEASES

Clinical experiences with acetylcysteine as a mucolytic agent. Poppe JK. *Dis Chest* 46:66-9, Jul 64

## BRONCHIAL FISTULA

Oesophago-bronchial fistula complicating hiatal hernia. McConchie I. *Aust New Zeal J Surg* 34:54-8, Aug 64

## BRONCHIAL NEOPLASMS

Bronchial carcinoid with osteoblastic metastases. Cases with carcinoid syndrome. Hyman GA, et al. *Arch Intern Med (Chicago)* 114:541-6, Oct 64  
Renal ischaemia due to thrombosis of renal artery resulting from metastases from primary carcinoma of the bronchus. Jennings RC, et al. *Brit Med J* 5416:1053-4, 24 Oct 64  
Roentgenogram of the month. Gerle RD, et al. *Dis Chest* 46:89-90, Jul 64  
Severe flushing reactions responsive to steroids in patients with bronchial carcinoid. Sjoerdsma A, et al. *Lancet* 2:791-2, 10 Oct 64  
Inappropriate secretion of vasopressin. Lee J, et al. *Lancet* 2:792-3, 10 Oct 64

## BRONCHIAL SPASM

Mechanism of bronchoconstriction produced by thromboemboli in dogs. Thomas D, et al. *Amer J Physiol* 206:1207-12, Jun 64  
[Acetylcholine and histamine bronchial spasm in neurodermatitis and control subjects] Gottesfeld F. *Int Arch Allerg* 24:Suppl:52-3, 1964 (Ger)

## BRONCHIECTASIS

Infectious agents associated with cylindrical bronchiectasis. Rytel MW, et al. *Dis Chest* 46:23-8, Jul 64

## BRONCHITIS

Physiologic effects of chronic exposure to phosgene in dogs. Rossing RG. *Amer J Physiol* 207:265-72, Jul 64  
A pilot study of acute respiratory illnesses on a college campus. Kapikian AZ, et al. *Amer Rev Resp Dis* 90:175-82, Aug 64  
Papilloedema, optic atrophy, and blindness due to emphysema and chronic bronchitis. Freedman BJ. *Brit J Ophthalmol* 47:290-4, May 63  
Controlled study of a new inhalant in asthma and bronchitis. el-Shaboury AH. *Brit Med J* 5416:1037-40, 24 Oct 64  
Actual and predicted-normal red-cell and plasma volumes in primary and secondary polycythaemia. Hume R, et al. *Clin Sci* 28:499-508, Jun 64  
Cell turnover in the respiratory tract. Shorter RG, et al. *Dis Chest* 46:138-42, Aug 64  
Infectious agents associated with cylindrical bronchiectasis. Rytel MW, et al. *Dis Chest* 46:23-8, Jul 64  
Haemophilus influenzae type-C bronchopneumonia. Lowe MB. *J Path Bact* 88:315-6, Jul 64  
Mucoproteins and sputum viscosity. Burgi H. *Lancet* 2:844, 19 Sep 64  
Dihydrocodeine as a cough suppressant. *Practitioner* 193:86-8, Jul 64  
[Spastic emphysematous bronchitis and chronic cor pulmonale] Herberg D, et al. *Deutsch Med Wschr* 89:1782-6, 18 Sep 64 (Ger)

## BRONCHODILATOR AGENTS

Controlled study of a new inhalant in asthma and bronchitis. el-Shaboury AH. *Brit Med J* 5416:1037-40, 24 Oct 64  
Clinical study with oxtriphylline-glycerol gualacolate tablets in chronic pulmonary disease: a double-blind crossover study. Puls RJ. *Curr Ther Res* 6:353-6, May 64  
A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al. *Proc Soc Exp Biol Med* 116:331-3, Jun 64

## BRONCHOPNEUMONIA

Infectious agents associated with cylindrical bronchiectasis. Rytel MW, et al. *Dis Chest* 46:23-8, Jul 64  
Haemophilus influenzae type-C bronchopneumonia. Lowe MB. *J Path Bact* 88:315-6, Jul 64

## BRONCHOSCOPY

Bronchoscopic aspiration after respiratory infections. Poppe JK. *JAMA* 190:245-8, 19 Sep 64

## BRUCELLA

Fine structure of *Brucella suis* spheroplasts. Hines WD, et al. *J Bact* 87:1492-8, Jun 64

## BRUCELLOSIS

The immunological basis of acquired cellular resistance. Mackaness GB. *J Exp Med* 120:105-20, 1 Jul 64  
Ampicillin in treatment of *Salmonella typhi* carriers and *Brucella melitensis* septicaemia. Farid Z, et al. *Lancet* 2:763, 3 Oct 64  
Observations on brucellosis in Iowa. Hendricks SL, et al. *Public Health Rep* 79:868-70, Oct 64

## BRUCELLOSIS, BOVINE

Observations on brucellosis in Iowa. Hendricks SL, et al. *Public Health Rep* 79:868-70, Oct 64

## BUNAMIODYL

Acute renal changes after oral cholecystography. Rennie ID. *Lancet* 2:645, 19 Sep 64  
Acute renal changes after oral cholecystography. Doherty P. *Lancet* 2:816, 10 Oct 64

## BUNDLE-BRANCH BLOCK

Right bundle branch block by diaphragmatic inspiration independent of heart rate. Lin TK. *Arch Intern Med (Chicago)* 114:538-40, Oct 64

## BURNS

Vascular manifestations of extensive thermal skin injury in rat mesentery. Horn L, et al. *Amer J Physiol* 207:137-43, Jul 64  
An unusual skin donor site. Crawford BS. *Brit J Plast Surg* 17:311-3, Jul 64  
Loss and gain in burns. *Brit Med J* 541:1090700, 31 Oct 64  
Blood volume changes in patients with burns treated with either colloid or saline solutions. Davies JW. *Clin Sci* 26:429-43, Jun 64  
Detection of a prealbumin in sera of children following extensive burns. Lytle RI, et al. *J Lab Clin Med* 64:117-24, Jul 64  
Management of the burned hand. Hartrampf CR Jr. *Southern Med J* 57:1342-5, Nov 64  
The management of burned hands. Drummond JA. *Surg Clin N Amer* 44:977-9, Aug 64  
Pseudomonas vaccine and hyperimmune plasma in the treatment of burned patients. Feller I, et al. *Surg Forum* 15:46-7, 1964  
Synthesis of plasma protein fractions in burned patients. Kukral JC, et al. *Surg Forum* 15:43-5, 1964  
Vascular destruction and revascularization in severe thermal injuries. Order SE, et al. *Surg Forum* 15:37-9, 1964  
Lymphatic flora in third degree burns. DeWitt RJ, et al. *Surg Forum* 15:41-3, 1964  
The mechanism and treatment of verdoglobulinuria in Pseudomonas sepsis. Stone HH, et al. *Surg Forum* 15:48-9, 1964  
Correlation of urinary hydroxyproline to severity of burn. Klein L, et al. *Surg Forum* 15:465-7, 1964  
Cyanide production by Pseudomonas aeruginosa. Goldfarb WB, et al. *Surg Forum* 15:467-9, 1964  
Correlation of edema formation, hemoconcentration, and mortality in experimental burns treated with hypothermia. Manson AD, et al. *Surg Forum* 15:469-71, 1964  
Tissue oxygen tension in pedicle flaps, local hypertrophy, and thermal burns. Pollock WJ, et al. *Surg Forum* 15:471-2, 1964  
Effect of the intestinal bacteria on recovery from burn injury. Rosoff CB. *Surg Forum* 15:39-41, 1964

## BURNS, CHEMICAL

Experimental caustic burns of the esophagus. Bachman K, et al. *Surg Forum* 15:307-8, 1964

## BUSULFAN

Breast cancer and cytologic dysplasia in many organs after busulfan (myleran). Nelson BM, et al. *Amer J Clin Path* 42:37-44, Jul 64  
Anti-leukaemic drugs. Innes J. *Practitioner* 193:101-6, Jul 64

## BUTTER

Effect of controlled breakfast on serum cholesterol and triglycerides. Schilling FJ, et al. *Amer J Clin Nutr* 15:1-4, Jul 64  
The relationship between diet, plasma lipid



composition and aortic atherosclerosis in rabbits. Moore JH, et al. *Brit J Nutr* 18:431-48, 1964

## BUTYRATES

To-day's drugs. Agents for lowering serum cholesterol. *Brit Med J* 5418:1181-3, 7 Nov 64  
Essential hypercholesterolaemic xanthomatosis. Roper BW. *Brit Med J* 5415:990-1, 17 Oct 64  
Dependency of *Treponema microdentatum* on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. Socransky SS, et al. *J Bact* 88:200-9, Jul 64  
Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al. *J Biol Chem* 239:1346-56, May 64

## CACHEXIA

Geophagia with iron deficiency and hypokalemia. Cachexia africana. Mengel CE, et al. *Arch Intern Med (Chicago)* 114:470-4, Oct 64

## CADAVER

Fibrinolytic activity of human tissues from adult and infant cadavers. Sandberg H, et al. *J Lab Clin Med* 64:99-106, Jul 64

## CADMIUM

Cadmium hypertension in rats. Schroeder HA. *Amer J Physiol* 207:62-6, Jul 64  
Salt hunger unaffected by cadmium in rats allowed saline solution by choice. Schroeder HA. *Amer J Physiol* 207:67-70, Jul 64  
Histological effects of intra-testicular injections of cadmium chloride in domestic fowl. Guthrie J. *Brit J Cancer* 18:255-60, Jun 64  
Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64  
Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. Schroeder HA, et al. *J Nutr* 83:239-50, Jul 64

## CALCIFICATION, PHYSIOLOGIC

Factors controlling calcification in vitro: the calcium phosphate ratio. Taves DR, et al. *Proc Soc Exp Biol Med* 116:631-5, Jul 64  
Calciophylaxis and the calcification of ivalon sponge implants. Armstrong RG. *Surg Forum* 15:64-5, 1964

## CALCINOSIS

Management of complicated meconium ileus. Hill JT, et al. *Amer J Surg* 108:233-8, Aug 64  
Pseudogout. *Brit Med J* 5414:889-90, 10 Oct 64  
Prolapsed calcified thoracic intervertebral disc. Taylor TK, et al. *J Path Bact* 88:153-7, Jul 64  
Mycobacterial skin ulcers in Uganda: histopathological and experimental aspects. Dodge OG. *J Path Bact* 88:169-74, Jul 64  
Janower ML: Painful joints. *JAMA* 190:232-4, 19 Sep 64  
Calcification of the ovarian follicle in rats. Grob HS, et al. *Proc Soc Exp Biol Med* 116:766-8, Jul 64  
Superior mesenteric artery calcification masquerading as abdominal aortic aneurysm. Its demonstration by intravenous aortography. Schreiber MH. *Vasc Dis* 1:209-11, Jul 64

## CALCIPHYLAXIS

Calciophylaxis and the calcification of ivalon sponge implants. Armstrong RG. *Surg Forum* 15:64-5, 1964

## CALCIUM

Hypoparathyroidism and pernicious anaemia. Ikkala E, et al. *Acta Med Scand* 176:73-7, Jul 64  
Digitalis toxicity, calcium and pronethalol. Kottegoda SR. *Brit Med J* 5418:1202, 7 Nov 64  
Evaluation of procedures for urinary calcium. Fales FW. *Clin Chem* 10:549-58, Jun 64  
The effect of a high phosphorus intake on total and ultrafiltrable plasma calcium and on phosphate clearance. Smith DA, et al. *Clin Sci* 26:479-86, Jun 64  
Influence of calcium ions and freezing upon the conversion of cholesterol-7-alpha-3H to corticosterone-3H by homogenate of rat adrenal. Hall PF, et al. *Endocrinology* 75:135-7, Jul 64  
Histochemical demonstration of heparin precipitating lipids in atherosclerotic aortas. Mustakallio KK, et al. *J Atheroscler Res* 4:370-2, Jul-Aug 64  
Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64  
A guide to the adequacy of therapy in resistant rickets due to familial or essential hypophosphatemia. Stearns G. *J Bone Joint Surg [Amer]* 46:959-64, Jul 64  
Treatment of vitamin-D resistant rickets. A long-term evaluation of its effectiveness. Stamp WG, et al. *J Bone Joint Surg [Amer]* 46:965-77, Jul 64  
Mineral analysis of the fourth lumbar vertebra in health

and renal failure. Kaye M. *J Clin Invest* 43:1367-71, Jul 64  
Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64

## CALCIUM, DIETARY

Influence of diet on blood serum lipids in pregnant women and newborn infants. Hansen AE, et al. *Amer J Clin Nutr* 15:11-9, Jul 64  
Studies on magnesium in ruminant nutrition. 5. The indirect determination of the intake of magnesium, calcium and potassium by the grazing cow. Field AC. *Brit J Nutr* 18:357-68, 1964  
Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64  
Amino acid transport by rat parathyroid glands in vivo: effect of low calcium diet. Williams GA, et al. *Proc Soc Exp Biol Med* 116:651-3, Jul 64  
Effect of dietary calcium levels on production and reversal of experimental osteoporosis in cats. Jowsey J, et al. *Proc Soc Exp Biol Med* 116:437-41, Jun 64

## CALCIUM ISOTOPES

Use of a whole body counter in turnover studies with Ca-47. Sargent T, et al. *J Nucl Med* 5:407-16, Jun 64  
Effect of acidic polysaccharides on bone uptake of radioactive strontium and calcium. Paul TM, et al. *Surg Forum* 15:66-7, 1964

## CALCIUM METABOLISM

Effects of ouabain on tissue calcium and calcium exchange in pacemaker of turtle heart. Govier WC, et al. *Amer J Physiol* 207:195-8, Jul 64  
Effects of catecholamines on urinary calcium and phosphorus in intact and parathyroidectomized rats. Morey ER, et al. *Endocrinology* 75:78-85, Jul 64  
Secretion and excretion of calcium by the human gastrointestinal tract. Heaney RP, et al. *J Lab Clin Med* 64:29-41, Jul 64  
A normal reference standard for radiocalcium turnover and excretion in humans. Heaney RP, et al. *J Lab Clin Med* 64:21-8, Jul 64  
Use of a whole body counter in turnover studies with Ca-47. Sargent T, et al. *J Nucl Med* 5:407-16, Jun 64  
The positive inotropic activity of tetraethylammonium ions and their effect on radiocalcium movement. Naylor WG, et al. *J Pharmacol Exp Ther* 144:116-23, Apr 64  
Calcium or phosphate? *Lancet* 2:895-6, 24 Oct 64  
Studies on vitamin D-resistant rickets; effects of human growth hormone. Gershberg H, et al. *Metabolism* 13:636-49, Jul 64  
Studies of intestinal absorption of calcium-45 in man. DeGrazia JA, et al. *Metabolism* 13:650-60, Jul 64

## CALLOSITIES

Dermatologic care of the painful foot. Montgomery RM. *J Bone Joint Surg [Amer]* 46:1129-36, Jul 64

## CANDIDA

*Candida albicans* shock. Dennis DL, et al. *Surg Forum* 15:36-7, 1964

## CANNABIS

Conjugate deviation of the eyes after *Cannabis indica* intoxication. Mohan H, et al. *Brit J Ophthalmol* 48:160-1, Mar 64

## CAPILLARIES

Electron microscopy of hypersensitivity reactions. Intravascular antigen-antibody precipitation in acute anaphylactic shock. Sabesin SM. *Amer J Path* 44:889-904, Jun 64  
Pulsatile pressures in the microcirculation of frog's mesentery. Wiederhielm CA, et al. *Amer J Physiol* 207:173-6, Jul 64  
Microangiographic visualization of blood distribution in intact and regenerated rat adrenals before and during cold stress. Kolthoff NJ, et al. *Angiology* 15:344-9, Aug 64  
Microcirculatory studies in man by high resolution vital microscopy. Bränemark PI, et al. *Angiology* 15:329-32, Aug 64  
Neuroglial relationships in the human retinal capillary network. Erskine CA. *Brit J Ophthalmol* 47:601-10, Oct 63  
Studies of the retinal capillaries in relation to diabetic and other retinopathies. Ashton N. *Brit J Ophthalmol* 47:521-38, Sep 63  
Vascularization of skin grafts. Smith JW, et al. *Surg Forum* 15:473-5, 1964

## CAPILLARY PERMEABILITY

A theory for the quantification of transcapillary exchange by tracer-dilution curves. Martín P, et al. *Amer J Physiol* 207:162-8, Jul 64  
Studies on the permeability increasing factor (PIF) in skin extracts. Inderbitzin T. *Int Arch Allerg* 24:332-41, 1964  
The effect of various anti-inflammatory drugs on the accumulation of leucocytes in the peritoneal cavity of mice. Northover BJ. *J Path Bact* 88:3C2-5, Jul 64  
Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. *J Path Bact* 88:159-66, Jul 64  
Enhancement of vascular permeability by mixtures of C1 esterase and normal serum. Smink RD Jr, et al. *Proc Soc Exp Biol Med* 116:280-3, Jun 64

## CAPILLARY RESISTANCE

Differential effects of heat on splenic and renal vascular beds. Gillenwater JY, et al. *Amer J Physiol* 207:133-6, Jul 64  
Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64  
Effect of surface tension on circulation in the excised lungs of dogs. Bruderman I, et al. *J Appl Physiol* 19:707-12, Jul 64  
A new and accurate method for measuring capillary fragility. Karpman HL, et al. *Vasc Dis* 1:206-7, Jul 64

## CAPROATES

Caproic acid analogues to prolong survival of skin homografts. Cramer LM, et al. *Surg Forum* 15:479-80, 1964

## CARBACHOL

Dose response to carbachol and norepinephrine in rat hypothalamus. Miller NE, et al. *Amer J Physiol* 206:1384-8, Jun 64

## CARBOHYDRATE METABOLISM

Functional development of active sugar transport in the chick intestine. Bogner PH, et al. *Amer J Physiol* 207:37-41, Jul 64  
Na transport by isolated turtle bladder during anaerobiosis and exposure to KCN. Klahr S, et al. *Amer J Physiol* 206:1333-9, Jun 64  
Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64  
Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64  
In vitro effects of vasopressor agents on the metabolism of the vascular wall. Hollander W, et al. *Circulation* 30:Suppl 2:1-10, Aug 64  
Lipolytic, pectolytic, and alginolytic activities of Enterobacteriaceae. Davis BR, et al. *J Bact* 88:16-9, Jul 64  
Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64  
Lipolytic, pectolytic, and alginolytic activities of Enterobacteriaceae. Davis BR, et al. *J Bact* 88:16-9, Jul 64  
Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagie SR, et al. *J Biol Chem* 239:1289-91, May 64  
Effects of cortisol on the metabolism of glucose by lymphoid tissue. Blecher M. *J Biol Chem* 239:1299-300, May 64  
Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64  
The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction. Zewe V, et al. *J Biol Chem* 239:1625-34, May 64  
Incorporation of 14C and 3H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. Silbert JE. *J Biol Chem* 239:1310-5, May 64  
The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. Fabry P, et al. *Lancet* 2:614-5, 19 Sep 64  
An intestinal hormone affecting glucose disposal in man. Dupre J. *Lancet* 2:672-3, 20 Sep 64  
Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. Goldman JK, et al. *Metabolism* 13:572-8, Jun 64  
Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity. Correa PR, et al. *Metabolism* 13:496-8, Jun 64  
The effects of metopirone on glucose metabolism. Liguori G, et al. *Metabolism* 13:499-506, Jun 64  
Alterations in muscle and liver glycogen secondary to fracture. Wray JB. *Metabolism* 13:551-6, Jun 64  
The effect of glucose loads on renal uric acid excretion in diabetic patients. Padova J, et al. *Metabolism* 13:507-12, Jun 64



Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. Bleicher SJ, et al. *New Eng J Med* 271:866-72, 22 Oct 64

Review of management of pregnancy complicated by diabetes and altered carbohydrate metabolism. Pedowitz P, et al. *Obstet Gynec* 23:716-29, May 64

Mechanism of gastric injury by aspirin. Menguy RB, et al. *Surg Forum* 15:315-7, 1964

Metabolic effects of selective and total vagotomy. Baldwin JN, et al. *Surg Forum* 15:303-5, 1964

[Chemo-antibiotic therapy of tuberculosis in diabetics and its repercussions on glucide metabolism] Filla E, et al. *Minerva Med* 55:2417-22, 18 Aug 64 (It)

CARBOHYDRATE METABOLISM, INBORN ERRORS

Congenital muscular hypertrophy. An association with increased urinary mucopolysaccharides. Silver HK, et al. *Amer J Dis Child* 108:406-12, Oct 64

Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. Auricchio S, et al. *Lancet* 2:914, 24 Oct 64

CARBOHYDRATES

Lipids of human platelets and their action on the blood coagulation process. Woodside EE, et al. *Blood* 24:76-91, Jul 64

Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in *Penicillium atrovenetum*. Gottlieb D, et al. *J Bact* 88:114-21, Jul 64

The contribution of sugar-cane to our food supplies. McMartin A. *S Afr Med J* 38:659-61, 22 Aug 64

CARBON

Effect of various surface active agents on heparin binding and clot formation on graphite surfaces. Whiffen JD, et al. *Proc Soc Exp Biol Med* 116:314-7, Jun 64

CARBON DIOXIDE

Stop-flow analysis of the influence of pCO2 on renal tubular transport of K and H. Ramsay AG. *Amer J Physiol* 206:1355-60, Jun 64

Carnitine effects on palmitate-I-C-14 conversion to CO2 and glycerides by various tissues. Fritz IB. *Amer J Physiol* 206:1217-22, Jun 64

Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. Huggins CE, et al. *Dis Chest* 46:42-5, Jul 64

Cerebrovascular response to Paco2 during halothane anesthesia in man. Alexander SC, et al. *J Appl Physiol* 19:561-5, Jul 64

Reproducibility of transient response to CO2 inhalation in man. Read DJ, et al. *J Appl Physiol* 19:750-4, Jul 64

Influence of carbon dioxide on pulmonary vasculature. Hyde RW, et al. *J Appl Physiol* 19:734-44, Jul 64

Alveolar carbon dioxide equilibria in breath-holding experiments. Barth DS, et al. *J Appl Physiol* 19:755-9, Jul 64

Effect of alterations in end-tidal CO2 tension on flow resistance. Newhouse MT, et al. *J Appl Physiol* 19:745-9, Jul 64

Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagle SR, et al. *J Biol Chem* 239:1289-91, May 64

Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity. Correa PR, et al. *Metabolism* 13:496-8, Jun 64

Carbon dioxide effects on myocardial contractility. Lentini EA, et al. *Proc Soc Exp Biol Med* 116:484-5, Jun 64

Carbon dioxide effect on cerebral oxygenation at increased atmospheric pressures. Pinto D, et al. *Surg Forum* 15:411-2, 1964

CARBON ISOTOPES

The incorporation of C14 from 3,4-dihydroxyphenylalanine-2-C14 into the melanin of mouse melanomas. Blois MS Jr, et al. *Cancer Res* 24:863-8, Jun 64

CARBON MONOXIDE

An assessment of the fractional carbon monoxide uptake and its relationship to pulmonary diffusing capacity. Woolf CR. *Dis Chest* 46:181-9, Aug 64

Rates of reaction of hemoglobin H with ligands. Benesch R, et al. *J Biol Chem* 239:1668-9, May 64

The characterization of modified human hemoglobin. I. Reaction with iodoacetamide and N-ethylmaleimide. Guidotti G, et al. *J Biol Chem* 239:1474-84, May 64

The reactivity of ferrocytochrome c with iron-binding ligands. George P, et al. *J Biol Chem* 239:1504-8, May 64

CARBON TETRACHLORIDE POISONING

CCL4-induced liver damage. Current concepts regarding mechanisms of action. Plaa GL, et al. *Arch Environ Health (Chicago)* 9:536-43, Oct 64

The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. Margreth A, et al. *Cancer Res* 24:920-5, Jun 64

Bilirubin glucuronyl transferase activity in liver disease. Metge WR, et al. *J Lab Clin Med* 64:89-98, Jul 64

S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64

Studies on carbon tetrachloride intoxication. II. Depressed amino acid incorporation into mitochondrial protein and cytochrome c. Smuckler EA, et al. *Lab Invest* 13:531-8, Jun 64

Immunological sympathectomy and CCl4 hepatotoxicity. Larson RE, et al. *Proc Soc Exp Biol Med* 116:557-60, Jul 64

CARBONIC ANHYDRASE INHIBITORS

Avoidance of side-reactions and loss of drug efficacy during long-term administration of carbonic anhydrase inhibitors by concomitant supplemental electrolyte administration. Draeger J, et al. *Brit J Ophthal* 47:457-68, Aug 63

CARBOXY-LYASES

Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64

Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64

The choice of hypotensive agents. Palmer KN. *Practitioner* 193:43-9, Jul 64

Quercetin inhibition of specific histidine decarboxylase. Smyth RD, et al. *Proc Soc Exp Biol Med* 116:593-6, Jul 64

CARBOXYPEPTIDASES

Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64

Urine peptidase activity following single and multiple oral doses of streptokinase. Innerfield I, et al. *Proc Soc Exp Biol Med* 116:573-5, Jul 64

CARCINOGENS

Intramuscular precancerous lesions from hydrocarbons. Ikuta F, et al. *Arch Path (Chicago)* 78:377-89, Oct 64

Histological effects of intra-testicular injections of cadmium chloride in domestic fowl. Guthrie J. *Brit J Cancer* 18:255-60, Jun 64

The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Boyland E, et al. *Brit J Cancer* 18:285-70, Jun 64

Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. Hoch-Ligeti C, et al. *Brit J Cancer* 18:271-84, Jun 64

The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. Ball JK, et al. *Brit J Urol* 36:225-37, Jun 64

The action of the carcinogen N-(2-fluorenyl)acetamide on rat liver catalase and arginase in vivo. King CM, et al. *Cancer Res* 24:770-9, Jun 64

Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64

Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al. *Cancer Res* 24:582-5, May 64

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64

On the association between photodynamic and carcinogenic activities in polycyclic compounds. Epstein SS, et al. *Cancer Res* 24:855-62, Jun 64

The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. Margreth A, et al. *Cancer Res* 24:920-5, Jun 64

Enzymatic n-hydroxylation of the carcinogen 2-acetylaminofluorene and the metabolism of N-hydroxy-2-acetylaminofluorene-9-14C in vitro. Irving CC. *J Biol Chem* 239:1589-96, May 64

CARCINOMA

Inappropriate secretion of vasopressin. Lee J, et al. *Lancet* 2:792-3, 10 Oct 64

CARCINOMA, BASAL CELL

Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD. *Brit J Ophthal* 47:257-65, May 63

Malignant salivary gland tumours of the nasal sinuses and exophthalmos. Mortada A. *Brit J Ophthal* 47:279-84, May 63

The basal cell nevus syndrome. Howell JB, et al. *JAMA* 190:274-7, 26 Oct 64

CARCINOMA, BRONCHOGENIC

Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. Hayata Y, et al. *Dis Chest* 46:51-60, Jul 64

Choice of operation in the treatment of bronchogenic carcinoma. (A review of 813 cases of which 209 were treated by resection). Rasmussen RA, et al. *Dis Chest* 46:190-7, Aug 64

Large thymoma associated with bronchogenic carcinoma. Report of a case. Gerard AG, et al. *Dis Chest* 46:238-40, Aug 64

Bronchogenic carcinoma with inappropriate antidiuretic activity in plasma and tumor. Bower BF, et al. *New Eng J Med* 271:934-8, 29 Oct 64

[Clinical evaluation of the proteo-anabolic activity of l-methyl-delta androstenedione in patients with malignant neoplasms during actinotherapy] Pipino G. *Minerva Med* 55:2413-7, 18 Aug 64 (It)

CARCINOMA, BROWN-PEARCE

Metastasis from the brain. Greene HS, et al. *Cancer Res* 24:1021-7, Jul 64

CARCINOMA, EHRlich TUMOR

Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64

Effect of administration of the enzyme glutaminase on the growth of cancer cells. Greenberg DM, et al. *Cancer Res* 24:957-63, Jul 64

Modification of the immune response of mice to skin homografts and heterografts by Ehrlich ascites carcinoma. McCarthy RE. *Cancer Res* 24:915-9, Jun 64

Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard. Golder RH, et al. *Cancer Res* 24:964-8, Jul 64

Effect of griseofulvin-methotrexate combination treatment upon Ehrlich's ascites tumor growth. Walker EE. *Surg Forum* 15:360-2, 1964

Tumor growth in germfree and monocontaminated animals. DiVincenti FC, et al. *Surg Forum* 15:350-2, 1964

CARCINOMA, EPIDERMoid

The current status of radiotherapy in carcinoma laryngis. Garland LH. *Ann Otol* 73:488-500, Jun 64

Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD. *Brit J Ophthal* 47:257-65, May 63

One-stage primary reconstruction of the cervical oesophagus by means of a free tubular graft of penile skin. Kaplan I, et al. *Brit J Plast Surg* 17:314-9, Jul 64

The fatty acid composition of the sterol-wax ester and mono- and diglyceride fractions of mouse epidermis undergoing normal and abnormal growth changes. Carruthers C, et al. *Cancer Res* 24:1008-11, Jul 64

Pre-operative irradiation in the treatment of patients with carcinoma of the oesophagus and of some other sites. Nakayama K. *Clin Radiol* 15:232-41, Jul 64

Stromal interference in radioresponse of squamous cell carcinoma of the oral cavity. Krishnamurthi S, et al. *Clin Radiol* 15:246-50, Jul 64

Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. Hayata Y, et al. *Dis Chest* 46:51-60, Jul 64

Choice of operation in the treatment of bronchogenic carcinoma. (A review of 813 cases of which 209 were treated by resection). Rasmussen RA, et al. *Dis Chest* 46:190-7, Aug 64

Carcinoma of the esophagus in association with achalasia. Report of a case. Katz RI, et al. *Dis Chest* 46:235-7, Aug 64

Squamous cell carcinoma arising in plantar ulcers in leprosy. Job CK, et al. *Int J Leprosy* 32:37-44, Jan-Mar 64

Metastatic carcinoma in a meningioma: report of a case. Best PV. *J Neurosurg* 20:892-4, Oct 63

Symptomless carcinoma of the cervix. Garrett WJ. *J Obstet Gynaec Brit Comm* 71:517-28, Aug 64

Postoperative vaginal-vault disruption. Report of a case. Ranney B. *Obstet Gynec* 23:793-4, May 64

[The cultivation of human cancer tissue in tissue culture and determination of its sensitivity towards new cytostatics] Limburg H, et al. *Deutsch Med Wschr* 89:1938-48, 9 Oct 64 (Ger)

CARCINOMA, PAPillary

Changing management of carcinoma of the thyroid. Hill LD, et al. *Amer J Surg* 108:176-82, Aug 64



## CARCINOMA, TRANSITIONAL CELL

Stupor, hypercalcemia and carcinoma of the renal pelvis. Bourne HH, et al.  
**New Eng J Med** 271:1005-8, 5 Nov 64

## CARCINOMA 256, WALKER

Destruction of malignant cells in peritoneal cavity. Experimental use of a chemotherapeutic agent. McKibbin B. **Arch Surg (Chicago)** 89:891-4, Oct 64  
 The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. Welmer HE, et al. **Cancer Res** 24:847-54, Jun 64  
 The interstitial fluid of solid tumors. Gullino PM, et al. **Cancer Res** 24:780-94, Jun 64  
 Studies on nucleolar RNA of the Walker 256 carcinosarcoma and the liver of the rat. Muramatsu M, et al. **Cancer Res** 24:1028-34, Jul 64  
 Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. **Cancer Res** 24:614-8, May 64  
 Studies on the ultrastructure of the nucleoli of the Walker tumor and rat liver. Smetana K, et al. **Cancer Res** 24:537-57, May 64  
 Correlation between kidney muramidase activity and plasma iron removal in rats with Walker-256 carcinosarcoma. Kretschmar AL, et al. **Proc Soc Exp Biol Med** 116:275-7, Jun 64  
 Effect of transplantable tumors on the serum cold fraction of rats' serum. Macbeth RA, et al. **Surg Forum** 15:362-4, 1964  
 Prophylactic lymph node dissection. Thurston OG, et al. **Surg Forum** 15:343-4, 1964

## CARCINOSARCOMA

Use of the cervical approach in the treatment of carcinosarcoma of the upper esophagus. Report of a case. Smith PW, et al. **Dis Chest** 46:91-4, Jul 64

## CARDIA

Abdominal surgery. Welch CE.  
**New Eng J Med** 271:829-33 contd, 15 Oct 64

## CARDIAC GLYCOSIDES

[Acute heart infarct and pulmonary stasis. A clinical-roentgenological study] Aschenbrenner R, et al. **Deutsch Med Wschr** 89:1777-81, 18 Sep 64 (Ger)

## CARDIAC TAMPONADE

Chronic effusive pericarditis. Bedford DE.  
**Brit Heart J** 26:499-512, Jul 64  
 Penetrating wounds of the heart. Experience with 249 patients. Naclerio EA. **Dis Chest** 46:1-22, Jul 64  
 [Cardiological emergencies in childhood] Heintzen P. **Deutsch Med Wschr** 89:1477-82, 31 Jul 64 (Ger)

## CARDIOSPASM

Carcinoma of the esophagus in association with achalasia. Report of a case. Katz RI, et al.  
**Dis Chest** 46:235-7, Aug 64

## CARDIOVASCULAR DISEASES

Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN.  
**Amer J Path** 44:973-81, Jun 64  
 Genetic aspects of cardiovascular diseases in animals. Detweiler DK. **Circulation** 30:114-27, Jul 64  
 The cardiovascular system in thyroid malfunction. Mead J. **J Amer Geriatr Soc** 12:776-86, Aug 64  
 Cardiac conduction in the Marfan syndrome. **JAMA** 190:239, 19 Sep 64

## CARDIOVASCULAR SYSTEM

Bodily reactions to high temperature. Wakim KG. **Anesthesiology** 25:532-48, Jul-Aug 64  
 Electroencephalographic and circulatory responses to meglime in normal subjects. Seliden U, et al. **Electroenceph Clin Neurophysiol** 17:11-6, Jul 64

## CARNIVORA

Lower animals, spontaneous disease, and man. Leader RW. **Arch Path (Chicago)** 78:390-404, Oct 64  
 Placental haemophagous organs in the procyonidae and mustelidae. Creed RF, et al.  
**J Reprod Fertil** 8:133-7, Aug 64

## CAROTID ARTERIES

The effect of carotid occlusion and central vagal stimulation on the free fatty acids of plasma and the blood pressure in the dog. Fröberg S, et al. **Acta Med Scand** 178:65-71, Jul 64  
 Genesis of Korotkoff sounds. Chungcharoen D. **Amer J Physiol** 207:190-4, Jul 64

Angiography in head and neck surgery. Conley JJ, et al. **Arch Surg (Chicago)** 89:809-18, Oct 64  
 Bilateral carotico-cavernous fistulae. Hypopituitarism from bilateral carotid ligation for surgical cure. Jamieson KG. **Aust New Zeal J Surg** 34:1-10, Aug 64  
 The haemodynamic implications of the bisferiens pulse. Ikram H, et al. **Brit Heart J** 26:452-9, Jul 64  
 Percutaneous cannulation of the carotid artery. Sheldon P. **Brit J Radiol** 37:526-30, Jul 64  
 Repair of small arteries with contact cement and teflon graft. Khodadad G, et al. **J Neurosurg** 21:552-60, Jul 64  
 The value of angiography in the differential diagnosis of pulsating exophthalmos; a report of 3 cases. Higazi I, et al. **J Neurosurg** 21:561-6, Jul 64  
 Ophthalmic arterial pressure and flow during extracorporeal perfusion of carotid of dogs and monkeys. Mahaley MS Jr, et al. **J Neurosurg** 20:1080-4, Dec 63  
 Quantitative measurement of cephalic blood flow in the monkey. Symon L, et al. **J Neurosurg** 20:199-218, Mar 63  
 Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. Ojemann RG, et al. **J Neurosurg** 20:471-3, Jun 63  
 Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. Tindall GT, et al. **J Neurosurg** 20:985-94, Nov 63  
 The quantities of sodium diatrizoate in cerebral vessels during arteriography. Kutt H, et al. **J Neurosurg** 20:515-9, Jun 63  
 Non-occlusive small arterial anastomosis with a neodymium laser. Yahar WZ, et al. **Surg Forum** 15:224-6, 1964

## CAROTID ARTERY DISEASES

Retropharyngeal hemorrhage from the carotid arteries. Weaver DF, et al. **Ann Otol** 73:541-54, Jun 64  
 Carotid air embolism. An experimental study in cats. Pate JW, et al. **Arch Surg (Chicago)** 89:685, Oct 64  
 Carotid arteritis: a cause of hemiplegia in childhood. Shillito J Jr. **J Neurosurg** 21:540-51, Jul 64  
 External carotid-cavernous sinus fistulas. Hayes GJ. **J Neurosurg** 20:692-700, Aug 63  
 Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. Gurdjian ES, et al. **J Neurosurg** 20:418-27, May 63  
 Severe epistaxis caused by ruptured aneurysm of the internal carotid artery. McCormick WF, et al. **J Neurosurg** 21:878-86, Aug 64  
 Static atherosclerotic occlusive lesion: a five-year "watch" on a carotid stenosis: report of a case. Lindner DW, et al. **J Neurosurg** 20:158-60, Feb 63  
 Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery. Gerlach J, et al. **J Neurosurg** 20:885-7, Oct 63  
 Experimental carotid ligation followed by aneurysmal formation and other morphological changes in the circle of Willis. Hassler O. **J Neurosurg** 20:1-7, Jan 63  
 Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. Tindall GT, et al. **J Neurosurg** 20:985-94, Nov 63  
 Angiography in cerebrovascular disease. Pribram HF. **J Neurosurg** 20:34-40, Jan 63  
 Recurrent cerebral ischaemia. **Lancet** 2:799-800, 10 Oct 64  
 Persistent primitive trigeminal artery. One type of persistent carotid-basilar anastomosis. Hinck VC, et al. **Radiology** 83:41-5, Jul 64  
 Peripheral resistance in regulation of blood flow through stenotic vessels. Schemm GW, et al. **Surg Forum** 15:405-6, 1964  
 Roentgen therapy for carotid sinus syncope. Aravanis C, et al. **Vasc Dis** 1:119-21, Mar 64

## CAROTID ARTERY THROMBOSIS

Percutaneous cannulation of the carotid artery. Sheldon P. **Brit J Radiol** 37:526-30, Jul 64  
 Carotid arteritis: a cause of hemiplegia in childhood. Shillito J Jr. **J Neurosurg** 21:540-51, Jul 64  
 Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. Gurdjian ES, et al. **J Neurosurg** 20:418-27, May 63  
 Retinal artery embolism: a complication of carotid endarterectomy. Shillito J Jr, et al. **J Neurosurg** 20:718-20, Aug 63  
 Post-traumatic carotid thrombosis: report of a case with intensive angiographic study of the collateral circulation. Higazi I. **J Neurosurg** 20:354-9, Apr 63  
 Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51-1964. **New Eng J Med** 271:837-45, 15 Oct 64  
 [Revascularization operations on the large neck vessels] Dupas M. **Presse Med** 72:2325-30, 26 Sep 64 (Fr)

## CAROTID BODY

Removal of the carotid body for asthma and emphysema. Phillips JR.  
**Southern Med J** 57:1278-81, Nov 64

## CAROTID SINUS

Roentgen therapy for carotid sinus syncope. Aravanis C, et al. **Vasc Dis** 1:119-21, Mar 64

## CARPAL TUNNEL SYNDROME

Neurosurgical disorders affecting the hand. Feindel W. **Surg Clin N Amer** 44:1031-6, Aug 64

## CARPHENAZINE

Transient toxicity with carphenazine hydrochloride. Mendels J. **Amer J Psychiat** 121:185-7, Aug 64

## CARRIER STATE

Ampicillin for typhoid carriers. Christie AB. **Brit Med J** 5413:876, 3 Oct 64  
 Methicillin spray and staphylococcal carriage in a neonatal unit. Jacobs J, et al. **J Obstet Gynaec Brit Comm** 71:543-55, Aug 64  
 Ampicillin in treatment of Salmonella typhi carriers and Brucella melitensis septicaemia. Farid Z, et al. **Lancet** 2:763, 3 Oct 64  
 The nasal flora of Auyana people in the Eastern highlands of New Guinea. Rountree PM, et al. **Med J Aust** 2:336-7, 29 Aug 64

## CARTILAGE

Severe undernutrition in growing and adult animals. 12. The extremities of the long bones in pigs. Pratt CW, et al. **Brit J Nutr** 18:393-408, 1964  
 Absorption of human rib cartilage grafts transplanted to rabbits after preservation by different methods. Krüger E. **Brit J Plast Surg** 17:254-64, Jul 64  
 The use of lanthanum to study the degradation of a proteopolysaccharide from cartilage. Doganges PT, et al. **J Biol Chem** 239:1498-503, May 64  
 Incorporation of <sup>14</sup>C and <sup>3</sup>H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. Silbert JE. **J Biol Chem** 239:1310-5, May 64  
 Effect of parathyroid hormone on mucopolysaccharide synthesis in rachitic rat cartilage in vitro. Guri CD, et al. **Proc Soc Exp Biol Med** 116:702-5, Jul 64

## CARTILAGE, ARTICULAR

Pseudogout. **Brit Med J** 5414:889-90, 10 Oct 64  
 Ester sulfate and collagen content of articular cartilage from human being femoral heads. Convery FR, et al. **Surg Forum** 15:435-7, 1964

## CASEIN

The effect of dietary casein on the induction of lung tumours by the injection of 9,10-dimethyl-1,2-benzanthracene (DMBA) into newborn mice. Walters MA, et al. **Brit J Cancer** 18:312-6, Jun 64  
 Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. **J Nutr** 83:558-64, Aug 64  
 Effect of dietary protein level and cholesterol supplementation prior to acute starvation on serum and liver lipids in the rat. Méndez J. **Metabolism** 13:669-74, Jul 64

## CASSAVA

The significance of leaf vegetables, especially of cassava, in tropical nutrition. Terra GJ.  
**Trop Geogr Med** 16:97-108, Jun 64

## CASTRATION

The origin of urinary dehydroepiandrosterone in boars. Huis in't Veld LG, et al. **Acta Endocr (Kobenhavn)** 46:185-96, Jun 64  
 Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. Wilson H, et al. **Acta Endocr (Kobenhavn)** 46:197-206, Jun 64  
 Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. Kochakian CD. **Acta Endocr (Kobenhavn)** 46:Suppl 92:1-16, 1964  
 Pituitary gonadotrophin inhibitory action of neutral steroids. Kincl FA, et al. **Acta Endocr (Kobenhavn)** 46:300-6, Jun 64  
 Changes in glycoproteins in serum, urine and aqueous humor after gonadectomy or sex hormone injections in rats. Houssay AB, et al. **Endocrinology** 74:825-32, Jun 64  
 Effect of castration in man upon blood sedimentation rate, hematocrit and hemoglobin. Hamilton JB, et al. **J Clin Endocr** 24:506-11, Jun 64  
 Autoimmune progesterone dermatitis. Cure by oophorectomy. Shelley WB, et al. **JAMA** 190:35-8, 5 Oct 64  
 Seven-year survival after bilateral adrenalectomy and oophorectomy for carcinomatosis. Taylor H. **Proc Roy Soc Med** 57:676-8, Aug 64



## CATALASE

- The action of the carcinogen N-(2-fluorenyl)acetamide on rat liver catalase and arginase in vivo. King CM, et al. *Cancer Res* 24:770-9, Jun 64
- Immunological specificities of spore and vegetative cell catalases of *Bacillus cereus*. Norris JR, et al. *J Bact* 88:264-5, Jul 64
- Respiratory pathways in the *Mycoplasma*. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64
- Immunological specificities of spore and vegetative cell catalases of *Bacillus cereus*. Norris JR, et al. *J Bact* 88:264-5, Jul 64
- Respiratory pathways in the *Mycoplasma*. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64

## CATAPLEXY

- A case of long-standing narcolepsy in a coalminer. Williamson DM. *Practitioner* 193:69-70, Jul 64

## CATARACT

- Recording lens opacities. Christenberry KW, et al. *Arch Ophthalmol* (Chicago) 72:667-9, Nov 64
- Orbital stenosis as a rare complication of cataract surgery in a case of leontiasis ossea. Czukrasz I. *Brit J Ophthalmol* 47:173-8, Mar 63
- [Apropos of autoimmune disease of the eye: phaco-antigen uveitis] Witmer R. *Int Arch Allerg* 24:Suppl58-64, 1964 (Ger)

## CATARACT EXTRACTION

- Combined cataract extraction and scleral cauterization. Stocker FW. *Arch Ophthalmol* (Chicago) 72:503-4, Oct 64
- Removal of corneoscleral sutures: new technique. Shukla BR, et al. *Arch Ophthalmol* (Chicago) 72:645-6, Nov 64
- Bacterial endophthalmitis after cataract extraction. A study of 22 infections in 20,000 operations. Allen HF, et al. *Arch Ophthalmol* (Chicago) 72:454-62, Oct 64
- Forceps extraction of slippery lenses in cases of cataract. Nath K. *Brit J Ophthalmol* 48:105-8, Feb 64
- Cyst of the incarcerated iris. First report of complication following cataract extraction. Nath K. *Brit J Ophthalmol* 48:50-2, Jan 64
- Features of the peripheral iris as seen by gonioscopy after cataract extraction. Abrams JD. *Brit J Ophthalmol* 47:713-20, Dec 63
- Multiple methods technique for intra-capsular cataract extraction. Mortada A. *Brit J Ophthalmol* 47:753-6, Dec 63
- Cataract extraction with optimum wound closure. Giardini A, et al. *Brit J Ophthalmol* 48:133-8, Mar 64
- Cataract extraction under combined local and general analgesia using phenazocine. Cashell GT, et al. *Brit J Ophthalmol* 48:139-42, Mar 64
- Orbital stenosis as a rare complication of cataract surgery in a case of leontiasis ossea. Czukrasz I. *Brit J Ophthalmol* 47:173-8, Mar 63
- Rehabilitation after cataract extraction. Hobbs HE, et al. *Brit J Ophthalmol* 48:361-3, Jul 64
- Pre-placed versus post-placed corneo-scleral sutures in cataract surgery. Singh D. *Brit J Ophthalmol* 47:116-22, Feb 63
- Further experience with intracapsular cataract extraction by application of low temperature. Krwawiec T. *Brit J Ophthalmol* 47:36-8, Jan 63
- Experimental cataract section. A preliminary report. Pattison GN. *Brit J Ophthalmol* 47:237-41, Apr 63

## CATECHOLAMINES

- The neurogenic metabolic factor in ischemic heart disease. Raab W. *Dis Chest* 46:150-7, Aug 64
- Chemical tests for phaeochromocytoma. Kelleher J, et al. *J Clin Path* 17:399-404, Jul 64
- Catechol O-methyl transferase in skin. Bamshad J, et al. *J Invest Derm* 43:111-3, Aug 64
- The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. Burack WR, et al. *J Pharmacol Exp Ther* 144:66-75, Apr 64
- Effect of catecholamine depletion on an index of myocardial contractility in isolated rabbit hearts. Maxwell RA, et al. *Proc Soc Exp Biol Med* 116:672-4, Jul 64
- Whalen JP: Role of catecholamine excretion in diagnosis and treatment of neuroblastoma: report of two cases. Voorhess ML. *Radiology* 83:92-7, Jul 64

## CATHEPSIN

- A histochemical analysis of the effect of irradiation on murine duodenal mucosa. Spiro HM, et al. *J Path Bact* 88:55-60, Jul 64
- Influence of hypothermia and anoxia upon the biochemistry of heart muscle. Passanti GT, et al. *Surg Forum* 15:210-2, 1964

## CATHETERIZATION

- Infusion chemotherapy for abdominal malignancies. Methodology and preliminary report. Nora PF, et al. *Arch Surg* (Chicago) 89:735-40, Oct 64
- Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. Williams KR, et al. *Arch Surg* (Chicago) 89:663-5, Oct 64
- Disappearing plastic cannula. Lewis EB. *Brit Med J* 5415:1010-1, 17 Oct 64
- Is arterial puncture dangerous? *Brit Med J* 5416:1072, 24 Oct 64
- Complications of arterial puncture. Nicholls JC. *Brit Med J* 5413:877, 3 Oct 64
- Experience with endobronchial medication. Saeed AH. *Dis Chest* 46:143-9, Aug 64
- Simplified technique for chronic catheterization of blood vessels. Herd JA, et al. *J Appl Physiol* 19:791-2, Jul 64
- Direct percutaneous infraclavicular catheterization of the subclavian artery. Weibel J, et al. *J Neurosurg* 20:233-7, Mar 63

## CATS

- Changes in shunt flow, compliance, and volume of lungs during apneic oxygenation. Anthonisen NR. *Amer J Physiol* 207:235-8, Jul 64

## CATTLE

- Total body water in farm animals. Hansard SL. *Amer J Physiol* 206:1369-72, Jun 64
- Antigenic characteristics of spermatozoa from bulls, rams and boars. II. Sperm agglutinins in normal and immune sera. Matousek J. *J Reprod Fertil* 8:5-11, Aug 64
- Antigenic characteristics of spermatozoa from bulls, rams and boars. I. Erythrocytic antigens in bull spermatozoa. Matousek J. *J Reprod Fertil* 8:1-3, Aug 64
- Antigenic characteristics of spermatozoa from bulls, rams and boars. 3. Absorption analysis, precipitins and fructolysis in relation to the antigenicity of bull spermatozoa. Matousek J. *J Reprod Fertil* 8:13-21, Aug 64

## CATTLE DISEASES

- Isolation of bovine parainfluenza-3 virus in chick embryos. Marshall RG. *J Bact* 88:267-8, Jul 64
- Malignant synovium in a cow. Dungworth DL, et al. *J Path Bact* 88:83-7, Jul 64
- Pneumonitis with alveolar-capillary block in a cattle rancher exposed to epizootic bovine abortion. Barnes MG, et al. *New Eng J Med* 271:981-5, 5 Nov 64
- Mycobacterial disease in man and animals. John's disease in domestic and experimental animals. Chandler RL. *Proc Roy Soc Med* 57:481-2, Jun 64

## CAUDA EQUINA

- Neurogenic intermittent claudication. Evans JG. *Brit Med J* 5415:985-7, 17 Oct 64
- A mobile ependymoma of the filum terminale. Wortzman G, et al. *J Neurosurg* 20:164-6, Feb 63

## CAUDATE NUCLEUS

- Confusion and disturbance of speech from stimulation in vicinity of the head of the caudate nucleus. Van Buren JM. *J Neurosurg* 20:148-57, Feb 63

## CAUTERY

- Combined cataract extraction and scleral cauterization. Stocker FW. *Arch Ophthalmol* (Chicago) 72:503-4, Oct 64

## CAVERNOUS SINUS

- The value of angiography in the differential diagnosis of pulsating exophthalmos; a report of 3 cases. Higazi I, et al. *J Neurosurg* 21:561-6, Jul 64
- External carotid-cavernous sinus fistulas. Hayes GJ. *J Neurosurg* 20:692-700, Aug 63
- Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery. Gerlach J, et al. *J Neurosurg* 20:885-7, Oct 63

## CECUM

- Nutritional studies with the guinea pigs. XI. Pyridoxine. Reid ME. *Proc Soc Exp Biol Med* 116:289-90, Jun 64
- Bacteria induced morphologic changes. Hudson JA, et al. *Proc Soc Exp Biol Med* 116:628-31, Jul 64

## CELIAC ARTERY

- Splanchnic blood flow in the monkey during hemorrhagic shock. Waldhausen JA, et al. *Surg Forum* 15:7-8, 1964

## CELIAC DISEASE

- Significance of antibodies to dietary proteins in the serums of patients with nontropical sprue. Kivell RM, et al. *New Eng J Med* 271:769-72, 8 Oct 64

## CELIAC PLEXUS

- Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64

## CELL DIVISION

- Cell proliferation in experimental hydronephrosis and compensatory renal hyperplasia. Benitez L, et al. *Amer J Path* 44:961-72, Jun 64
- The effects of buffered solutions of dextran upon HeLa carcinoma cells. Powell AK. *Brit J Cancer* 18:333-41, Jun 64
- Failure of lymphocytes from hypogammaglobulinaemic subjects to transform in culture. Elves MW, et al. *Brit Med J* 5416:1051-2, 24 Oct 64
- Effect of high doses of cortisone on bone marrow cell proliferation in the Syrian hamster. Cardinali G, et al. *Cancer Res* 24:969-72, Jul 64
- Thin sections of dividing *Neisseria gonorrhoeae*. Fitz-James P. *J Bact* 87:1477-82, Jun 64
- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64
- Thin sections of dividing *Neisseria gonorrhoeae*. Fitz-James P. *J Bact* 87:1477-82, Jun 64
- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64
- The effect of cortisol on mitosis in the skin of the mouse. Davis JC. *J Path Bact* 88:247-54, Jul 64
- Characteristics of cell proliferation in a patient with acute leukaemia. Mauer AM. *Lancet* 2:675-6, 20 Sep 64
- Effects of 1,3,5, (10), 16 estratetraen-3-ol on mammalian L-fibroblasts in vitro. Bourne EW, et al. *Proc Soc Exp Biol Med* 116:762-6, Jul 64
- Radiation effects on cell cycle dynamics. Hendrickson FR, et al. *Radiology* 83:131-40, Jul 64
- Cell-survival data and the irradiation response of some normal tissues. Wilson CW. *Radiology* 83:120-30, Jul 64

## CELL MEMBRANE

- Fine structure of *Brucella suis* spheroplasts. Hines WD, et al. *J Bact* 87:1492-8, Jun 64
- Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. Sonneborn DR, et al. *J Bact* 87:1321-9, Jun 64
- Thin sections of dividing *Neisseria gonorrhoeae*. Fitz-James P. *J Bact* 87:1477-82, Jun 64
- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64
- Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64
- Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64
- Thin sections of dividing *Neisseria gonorrhoeae*. Fitz-James P. *J Bact* 87:1477-82, Jun 64
- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64
- Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64
- Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64
- Fine structure of *Brucella suis* spheroplasts. Hines WD, et al. *J Bact* 87:1492-8, Jun 64
- Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. Sonneborn DR, et al. *J Bact* 87:1321-9, Jun 64
- The role of serum in acanthocyte autohemolysis and membrane lipid composition. Ways P, et al. *J Clin Invest* 43:1322-8, Jul 64

## CELL MEMBRANE PERMEABILITY

- The transit of large molecules and particulate matter across individual endothelial cells analyzed in living animals with television microphotometry. Bloch EH, et al. *Angiology* 15:353-61, Aug 64
- Effect of ouabain on active transport of sodium in the cornea. Lambert B, et al. *Arch Ophthalmol* (Chicago) 72:525-8, Oct 64

## CELL NUCLEUS

- Cytometric studies of myeloma cells. Planimetry and diameter measurements in 33 cases of myelomatosis with special reference to the correlation between cell size and serum immuno-electrophoretic findings. Drivsholm A. *Acta Med Scand* 176:79-89, Jul 64
- Studies on nucleolar RNA of the Walker 256 carcinosarcoma and the liver of the rat. Muramatsu M, et al. *Cancer Res* 24:1028-34, Jul 64



Studies on the ultrastructure of the nucleoli of the Walker tumor and rat liver. Smetana K, et al. *Cancer Res* 24:537-57, May 64

Cell turnover in the respiratory tract. Shorter RG, et al. *Dis Chest* 46:138-42, Aug 64

Metabolism of nucleolar ribonucleic acid after partial hepatectomy. Tsukada K, et al. *J Biol Chem* 239:1564-8, May 64

Cytologic and cytochemical studies of neuroglia. 3. The DNA content of giant fibrous astrocytes, with implications concerning the nature of these cells. Lapham LW, et al. *J Neuropath Exp Neurol* 23:419-30, Jul 64

A study of chromatolysis in dorsal root ganglia at the cellular level. Mackey EA, et al. *J Neuropath Exp Neurol* 23:508-26, Jul 64

Inclusion-bearing cells in urinary sediment in infectious diseases. Boyd JF, et al. *J Path Bact* 88:115-24, Jul 64

Osmotic and respiratory behavior of surviving rat liver cells. Olmstead EG, et al. *Proc Soc Exp Biol Med* 116:327-31, Jun 64

## CENTRAL NERVOUS SYSTEM

The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. *Amer J Path* 44:921-30, Jun 64

Muscle excitability in experimental crossed nerve anastomosis in the rat. Koczocik-Przedpelska J. *Amer J Phys Med* 43:146-56, Aug 64

Staining patterns of phosphatases of the central nervous system with azo-dye methods. Kaluza JS, et al. *J Neuropath Exp Neurol* 23:477-85, Jul 64

Effect of epinephrine and norepinephrine on excitability of central nervous system of mice. Swinyard EA, et al. *J Pharmacol Exp Ther* 144:52-9, Apr 64

Effect of central nervous system lesions on barbiturate sleeping time in the rat. Harvey JA, et al. *J Pharmacol Exp Ther* 144:24-36, Apr 64

Neurosurgical disorders affecting the hand. Feindel W. *Surg Clin N Amer* 44:1031-6, Aug 64

## CENTRAL NERVOUS SYSTEM DISEASES

Sampling of muscle at autopsy in cases of lower motor neuron disease. Beckwith JB. *Amer J Clin Path* 42:92-3, Jul 64

Congenital trigeminal anaesthesia. Hewson EG. *Brit J Ophthalmol* 47:308-11, May 63

CNS disorder during mechanical ventilation in chronic pulmonary disease. Rotheram EB Jr, et al. *JAMA* 189:993-6, 28 Sep 64

## CENTRIFUGATION

The heparinized capillary tube as an epidemiologic tool. II. Concentration of blood parasites by centrifugation. Worth RM. *Amer J Hyg* 80:70-4, Jul 64

## CEREALS

Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. Horn MJ, et al. *J Nutr* 83:267-72, Jul 64

## CEREBELLAR DISEASES

[Muscle tonus. Physiological and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al. *Presse Med* 72:2213-8 concl, 19 Sep 64 (Fr)

## CEREBELLAR NEOPLASMS

The medulloblastoma and the so-called "arachnoidal cerebellar sarcoma". Rubinstein LJ, et al. *Brain* 87:379-412, Jun 64

Fetal spongioblastoma. Duckett S, et al. *J Neuropath Exp Neurol* 23:560-4, Jul 64

Medulloblastomas and cerebellar sarcomas: a clinical survey. Berger EC, et al. *J Neurosurg* 20:139-44, Feb 63

Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. *J Neurosurg* 20:474-93, Jun 63

## CEREBELLUM

Vestibular mechanism, motion sickness, and drug therapy. Experimental and clinical evaluations. Rubin W. *Arch Otolaryng (Chicago)* 80:431-9, Oct 64

Mesial cerebellar incision. Baldwin M, et al. *J Neurosurg* 20:679-86, Aug 63

The interplay between cerebral hemispheres and cerebellum in relation to tonus and movements. Schneider RC, et al. *J Neurosurg* 20:188-98, Mar 63

## CEREBRAL ANEURYSM

Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al. *Brain* 87:233-62, Jun 64

Familial cerebral aneurysms. Case reports. Phillips RL. *J Neurosurg* 20:701-3, Aug 63

The use of extracorporeal circulation and profound hypothermia in the treatment of ruptured intracranial aneurysm. Drake CG, et al. *J Neurosurg* 21:575-81, Jul 64

Recognition and treatment of hydrocephalus following spontaneous subarachnoid hemorrhage. Shulman K, et al. *J Neurosurg* 20:1040-9, Dec 63

Severe epistaxis caused by ruptured aneurysm of the internal carotid artery. McCormick WF, et al. *J Neurosurg* 21:678-86, Aug 64

Complications in the use of temporary intracranial arterial clip. Alexander E Jr, et al. *J Neurosurg* 20:810-1, Sep 63

Intracranial surgery for aneurysm: effect of hypothermia upon survival. Hamby WB. *J Neurosurg* 20:41-5, Jan 63

Development of intracranial aneurysms as revealed by electron microscopy. Nystrom SH. *J Neurosurg* 20:329-37, Apr 63

Experimental carotid ligation followed by aneurysmal formation and other morphological changes in the circle of Willis. Hassler O. *J Neurosurg* 20:1-7, Jan 63

Use of plastic adhesive for reinforcement of a ruptured intracranial aneurysm. Messer HD, et al. *J Neurosurg* 20:360-2, Apr 63

Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. Tindall GT, et al. *J Neurosurg* 20:985-94, Nov 63

Angiographic images of false aneurysmal sac caused by rupture of median meningeal artery in the course of traumatic extradural hematomata: report of 3 cases. Paillas JE, et al. *J Neurosurg* 21:667-71, Aug 64

Packing with muscle of internal carotid artery for aneurysm with immediate occlusion and subsequent establishment of flow. Simmons DR, et al. *J Neurosurg* 20:1000-4, Nov 63

Postoperative angiography in cases of ruptured intracranial aneurysm. Allcock JM, et al. *J Neurosurg* 20:752-9, Sep 63

Angiography in cerebrovascular disease. Pribram HF. *J Neurosurg* 20:34-40, Jan 63

The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64

## CEREBRAL ANGIOGRAPHY

Vertebral angiography in the diagnosis of ventricular dilatation. Galloway JR, et al. *Acta Radiol (Diagn) (Stockholm)* 2:321-33, Jul 64

Angiography in head and neck surgery. Conley JJ, et al. *Arch Surg (Chicago)* 89:609-18, Oct 64

The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64

The value of angiography in the differential diagnosis of pulsating exophthalmos: a report of 3 cases. Higazi I, et al. *J Neurosurg* 21:561-6, Jul 64

A comparison of renografin and hypaque for carotid arteriography. Shealy CN. *J Neurosurg* 20:137-8, Feb 63

Angiographic appearance of a papilloma of the choroid plexus of the lateral ventricle. Hammon WM, et al. *J Neurosurg* 20:711-4, Aug 63

The quantities of sodium diatrizoate in cerebral vessels during arteriography. Kutt H, et al. *J Neurosurg* 20:515-9, Jun 63

Postoperative angiography in cases of ruptured intracranial aneurysm. Allcock JM, et al. *J Neurosurg* 20:752-9, Sep 63

Arteriovenous fistula: a complication of vertebral angiography: report of a case. Olson RW, et al. *J Neurosurg* 20:73-5, Jan 63

Angiography in cerebrovascular disease. Pribram HF. *J Neurosurg* 20:34-40, Jan 63

Intracranial angiography by percutaneous puncture of the subclavian artery utilizing a subclavicular approach. Ray CD. *J Neurosurg* 20:400-5, May 63

Technique of arterial puncture. A new needle-cannula for arteriography. New PF, et al. *J Neurosurg* 20:390-6, May 63

Cerebral angiography in the monkey by retrograde brachial injection. White RJ, et al. *J Neurosurg* 20:406-9, May 63

Neuroradiology. Sutton D. *Practitioner* 193:89-95, Jul 64

The use and abuse of cerebral angiography in the diagnosis of strokes. Bull J. *Proc Roy Soc Med* 57:659-61, Aug 64

Traumatic occlusion of the basilar artery within a clivus fracture. Loop JW, et al. *Radiology* 83:36-40, Jul 64

The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64

Persistent primitive trigeminal artery. One type of persistent carotid-basilar anastomosis. Hinck VC, et al. *Radiology* 83:41-5, Jul 64

Cerebral angiography. A brief outline of its history and experiences with conray, a new contrast medium. Smolik ED, et al. *Vasc Dis* 1:21-8, Jan 64

The clinical implication of cerebral angiography in the monkey. White RJ, et al. *Vasc Dis* 1:29-33, Jan 64

[Studies on the suitability of trilonized roentgen contrast media for cerebral angiography] Alexander K, et al. *Angiologica (Basel)* 1:213-26, 1964 (Ger)

## CEREBRAL ANOXIA

The significance of N. amygdalae in the genesis of electrical activity of the brain during recovery after prolonged circulatory arrest. Gurvitch AM. *Electroenceph Clin Neurophysiol* 16:549-60, Jun 64

Life or death by EEG. Hamlin H. *JAMA* 190:112-4, 12 Oct 64

Effect of anoxic-ischemic procedure on experimental epilepsy in the rat. Payan H, et al. *Proc Soc Exp Biol Med* 116:454-6, Jun 64

## CEREBRAL ARTERIES

Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. Raynor RB, et al. *J Neurosurg* 20:94-6, Feb 63

## CEREBRAL ARTERIOSCLEROSIS

Atherosclerosis in different parts of the arterial system. Bjurulf P. *Amer Heart J* 68:41-50, Jul 64

The treatment of cerebral atherosclerosis with Vasolastine (a preliminary report). Mawdesley-Thomas LE, et al. *Brit J Clin Pract* 18:405-7, Jul 64

Basilar artery deficiency. *Brit Med J* 541:1086-7700, 31 Oct 64

Angiography in cerebrovascular disease. Pribram HF. *J Neurosurg* 20:34-40, Jan 63

## CEREBRAL ARTERY DISEASES

Temporal arteritis. Whitfield AG, et al. *Brit J Ophthalmol* 47:555-66, Sep 63

Angiography in cerebrovascular disease. Pribram HF. *J Neurosurg* 20:34-40, Jan 63

## CEREBRAL CORTEX

Preservation of volatile anesthetics in blood and tissue. Lowe HJ. *Anesthesiology* 25:566-8, Jul-Aug 64

Some aspects of the cortical auditory recovery function in the cat. Borsanyi SJ. *Ann Otol* 73:312-26, Jun 64

Cortical alterations due to methionine sulfoximine. Ultrastructure during seizure activity. Harris B. *Arch Neurol (Chicago)* 11:388-407, Oct 64

Electroretinogram and cortical evoked potentials under hypothermia. Wolin LR, et al. *Arch Ophthalmol (Chicago)* 72:521-4, Oct 64

Alzheimer's disease—an electron microscopical study. Kidd M. *Brain* 87:307-20, Jun 64

Cortical evoked responses to visual stimulation in full-term and premature newborns. Hrbeek A, et al. *Electroenceph Clin Neurophysiol* 16:575-81, Jun 64

Studies on the supracallosal mesial cortex of unanesthetized, conscious mammals. II. Monkey. D. vertex sharp waves and epileptiform activity. Hughes JR, et al. *Electroenceph Clin Neurophysiol* 16:561-74, Jun 64

Mesial cerebellar incision. Baldwin M, et al. *J Neurosurg* 20:679-86, Aug 63

Monoventricular hypothermic perfusion. Cortical electric responses to anesthetic agents. Costal M, et al. *J Neurosurg* 20:675-8, Aug 63

An experimental evaluation of the effect of a plastic adhesive, methyl 2-cyanoacrylate, on neural tissue. Kline DG, et al. *J Neurosurg* 20:647-54, Aug 63

Neurosurgical classic—XXII. Wilkins RH. *J Neurosurg* 21:724-33, Aug 64

The interplay between cerebral hemispheres and cerebellum in relation to tonus and movements. Schneider RC, et al. *J Neurosurg* 20:188-98, Mar 63

Removal of cerebral cortical tissue with negligible scar formation using a beam of high-energy particles. Van Dyke D, et al. *J Neurosurg* 20:289-95, Apr 63

Neurosurgical classic. XII. Wilkins RH. *J Neurosurg* 20:904-16, Oct 63

Radioisotopic localization in subdural hematomas. An experimental study with arsenic-74 and radiolabeled human serum albumin in dogs. Mealey J Jr. *J Neurosurg* 20:770-6, Sep 63

Interamygdaloid propagation. Andy OJ, et al. *Surg Forum* 15:400-2, 1964

Suppression of cerebral cortex by electrical anesthesia. Larson SJ, et al. *Surg Forum* 15:397-8, 1964

## CEREBRAL EMBOLISM AND THROMBOSIS

Carotid air embolism. An experimental study in cats. Pate JW, et al. *Arch Surg (Chicago)* 89:685, Oct 64

Pathological findings in homocystinuria. Gibson JB, et al. *J Clin Path* 17:427-37, Jul 64



Embolectomy of middle cerebral artery: report of a case. Chou SN. *J Neurosurg* 20:161-3, Feb 63  
 Clinical pathological conference. The Children's Hospital Medical Center, Boston, Mass. Farber S, et al. *J Pediat* 65:308-10, Aug 64  
 Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51-1984. *New Eng J Med* 271:837-45, 15 Oct 64  
 [Puerperal thromboses of the superior longitudinal sinus. (2 cases)] Pallias JA, et al. *Presse Med* 72:2265-8, 25 Sep 64 (Fr)  
 [Fatal accident after an intravenous injection of congo red] Horstensmeyer O. *Deutsch Med Wschr* 89:1845-8, 25 Sep 64 (Ger)

## CEREBRAL HEMORRHAGE

Intracranial haemorrhage in haemophilia.  
*Brit Med J* 541:1089-90700, 31 Oct 64  
 Angiography in cerebrovascular disease. Pribram HF. *J Neurosurg* 20:34-40, Jan 63

## CEREBRAL ISCHEMIA, TRANSIENT

Bilateral carotico-cavernous fistulae. Hypopituitarism from bilateral carotid ligation for surgical cure. Jamieson KG. *Aust New Zeal J Surg* 34:1-10, Aug 64  
 Clinico-EEG correlation with arterial and jugular venous biochemical studies in acute neurological disorder. Fischer-Williams M, et al. *Brain* 87:281-308, Jun 64  
 Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM. *Brit Med J* 5417:1104-7, 31 Oct 64  
 Measurement of maximal permissible cerebral ischemia and a study of its pharmacologic prolongation. Wright RL, et al. *J Neurosurg* 21:567-74, Jul 64  
 Observations on the natural history of transient cerebral ischaemia. Acheson J, et al. *Lancet* 2:871-4, 24 Oct 64  
 Recurrent cerebral ischaemia. *Lancet* 2:799-800, 10 Oct 64  
 Effect of anoxic-ischemic procedure on experimental epilepsy in the rat. Payan H, et al. *Proc Soc Exp Biol Med* 116:454-6, Jun 64  
 The treatment of cerebrovascular insufficiency by intravenous procaine and antihistamine compound. Rosner S. *Vasc Dis* 1:214-5, Jul 64

## CEREBRAL PALSY

Resection of the obturator nerve in the treatment of adductor spasticity in cerebral palsy. Hagberg B, et al. *Acta Orthop Scand* 34:258-70, 1964  
 Physiological identification of the thalamic nucleus. Yoshida M, et al. *Arch Neurol (Chicago)* 11:435-43, Oct 64  
 The risk of mental subnormality and cerebral palsy. Illingworth RS. *Clin Pediat (Phila)* 3:439-42, Jul 64  
 An etiologic and diagnostic study of cerebral palsy. A preliminary report. Malamud N, et al. *J Pediat* 65:270-93, Aug 64  
 Significance of the placental position. A report from the collaborative study of cerebral palsy. Little WA, et al. *Obstet Gynec* 23:804-9, May 64  
 Surgery of the hand in cerebral palsy. Swanson AB. *Surg Clin N Amer* 44:1061-70, Aug 64  
 [The absence and delay of speech in children] Launay C. *Presse Med* 72:2337-8, 26 Sep 64 (Fr)

## CEREBRAL SCLEROSIS, DIFFUSE

The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. *Amer J Path* 44:921-30, Jun 64

## CEREBRAL VENTRICLE NEOPLASMS

Pseudo-Argyll Robertson pupils in optic nerve disease. Levatin P, et al. *Brit J Ophthal* 48:109-13, Feb 64  
 Colloid cyst of third ventricle. An electron microscopic study. Cox WS, et al. *J Neuropath Exp Neurol* 23:431-45, Jul 64  
 Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. De La Torre E, et al. *J Neurosurg* 20:461-70, Jun 63  
 Angiographic appearance of a papilloma of the choroid plexus of the lateral ventricle. Hammon WM, et al. *J Neurosurg* 20:711-4, Aug 63  
 Meningioma of the fourth ventricle. Chaffee B, et al. *J Neurosurg* 20:520-2, Jun 63  
 Suprachiasmatic and intraventricular meningioma in a four-year-old child. Teng P, et al. *J Neurosurg* 20:174-8, Feb 63

## CEREBRAL VENTRICLES

Vertebral angiography in the diagnosis of ventricular dilatation. Galloway JR, et al. *Acta Radiol [Diagn] (Stockholm)* 2:321-33, Jul 64  
 Mesial cerebral incision. Baldwin M, et al. *J Neurosurg* 20:679-86, Aug 63

Hydrocephalus: changes in formation and absorption of cerebrospinal fluid within the cerebral ventricles. Bering EA Jr, et al. *J Neurosurg* 20:1050-63, Dec 63  
 Studies on the rate of disappearance of Na-24 from the ventricular cavities in obstructive hydrocephalus. Migliore A, et al. *J Neurosurg* 21:521-3, Jul 64  
 Monoventricular hypothermic perfusion. Cortical electric responses to anesthetic agents. Costal M, et al. *J Neurosurg* 20:675-8, Aug 63  
 Experimental production of cerebral hypothermia by ventricular perfusion techniques. Costal M, et al. *J Neurosurg* 20:112-7, Feb 63  
 Spontaneous resolution of an intraventricular hematoma. Report of a case with recovery. Ojemann RG, et al. *J Neurosurg* 20:899-902, Oct 63  
 Epidural hematoma as complication of ventricular drainage. Report of a case and review of literature. Higazi I. *J Neurosurg* 20:527-8, Jun 63  
 EEG after intracerebroventricular tetrodotoxin in cats. Rech RH, et al. *Proc Soc Exp Biol Med* 116:434-7, Jun 64  
 [The Durand-Zunin syndrome. Report of a pertinent observation.] Simon C, et al. *Helv Paediat Acta* 19:78-86, Jun 64 (Ger)

## CEREBROSPINAL FLUID

Metabolism of procaine in cerebrospinal fluid contaminated with blood. Schmidt KF. *Anesthesiology* 25:563-4, Jul-Aug 64  
 Fluid collection in cerebrospinal otorrhea. Raskind R. *J Int Coll Surg* 42:408-9, Oct 64  
 Hydrocephalus: changes in formation and absorption of cerebrospinal fluid within the cerebral ventricles. Bering EA Jr, et al. *J Neurosurg* 20:1050-63, Dec 63  
 Effects of infusion of hypertonic mannitol on electrolyte balance and on osmolality of serum and cerebrospinal fluid. Wise BL. *J Neurosurg* 20:961-7, Nov 63  
 The cell-catch procedure. A new method which preserves all cellular elements of spinal-fluid samples. Simon G, et al. *J Neurosurg* 20:787-92, Sep 63  
 Test for patency of ventriculovascular shunt for hydrocephalus with radioactive iodinated serum albumin. Kagen A, et al. *J Neurosurg* 20:1025-8, Dec 63  
 Radioisotopic localization in subdural hematomas. An experimental study with arsenic-74 and radiolabeled human serum albumin in dogs. Mealey J Jr. *J Neurosurg* 20:770-6, Sep 63  
 Malignant lymphoma-cells in the cerebrospinal fluid. Janota I. *Lancet* 2:677-8, 20 Sep 64  
 Behavior of human glioma cells in cerebrospinal fluid. Wilson CB, et al. *Surg Forum* 15:431-2, 1964

## CEREBROSPINAL FLUID PROTEINS

Limitations in clinical use of a screening test for protein. Watson D. *Clin Chem* 10:559-62, Jun 64  
 Modern methods for determining cerebrospinal fluid protein. Watson D. *Clin Chem* 10:412-6, May 64

## CEREBROVASCULAR CIRCULATION

Cerebral hematocrit in normal man. Larsen OA, et al. *J Appl Physiol* 19:571-4, Jul 64  
 Cerebrovascular response to Pao<sub>2</sub> during halothane anesthesia in man. Alexander SC, et al. *J Appl Physiol* 19:561-5, Jul 64  
 Electromagnetic measurement of internal jugular venous flow in the monkey; effect of epilepsy and other procedures. Meyer JS, et al. *J Neurosurg* 21:524-39, Jul 64  
 Quantitative measurement of cephalic blood flow in the monkey. Symon L, et al. *J Neurosurg* 20:199-218, Mar 63  
 Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. Ojemann RG, et al. *J Neurosurg* 20:471-3, Jun 63  
 Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. Tindall GT, et al. *J Neurosurg* 20:985-94, Nov 63  
 Test for patency of ventriculovascular shunt for hydrocephalus with radioactive iodinated serum albumin. Kagen A, et al. *J Neurosurg* 20:1025-8, Dec 63  
 Packing with muscle of internal carotid artery for aneurysm with immediate occlusion and subsequent establishment of flow. Simmons DR, et al. *J Neurosurg* 20:1000-4, Nov 63  
 Extracranial measurement of regional cerebral blood flow by intracarotid injection of RISA. Ojemann RG, et al. *Surg Forum* 15:407-8, 1964  
 Peripheral resistance in regulation of blood flow through stenotic vessels. Schemm GW, et al. *Surg Forum* 15:405-6, 1964  
 Carbon dioxide effect on cerebral oxygenation at increased atmospheric pressures. Pinto D, et al. *Surg Forum* 15:411-2, 1964  
 The clinical implication of cerebral angiography in the monkey. White RJ, et al. *Vasc Dis* 1:29-33, Jan 64

## CEREBROVASCULAR DISORDERS

The mortality rate from heart disease. Campbell M. *Amer Heart J* 68:1-2, Jul 64  
 Neuro-ophthalmology. Hoyt WF. *Arch Ophthal (Chicago)* 72:679-719, Nov 64  
 Clinico-EEG correlation with arterial and jugular venous biochemical studies in acute neurological disorder. Fischer-Williams M, et al. *Brain* 87:281-308, Jun 64  
 Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al. *Brain* 87:233-62, Jun 64  
 Acute hemiplegia in childhood. Gordon GC. *Brit Med J* 5415:1009, 17 Oct 64  
 Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM. *Brit Med J* 5417:1104-7, 31 Oct 64  
 Basilar artery deficiency. *Brit Med J* 541:1086-7700, 31 Oct 64  
 Endocarditis as a cause of cerebrovascular lesions. Thompson JW. *Brit Med J* 5417:1132, 31 Oct 64  
 Cerebrovascular accidents and oral contraception. Zilkha KJ. *Brit Med J* 5417:1132-3, 31 Oct 64  
 Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM. *Brit Med J* 5417:1104-7, 31 Oct 64  
 Restoration of communication in the elderly, with special reference to hemiplegic patients: interim report on program. DeBrisay AN, et al. *J Amer Geriatr Soc* 12:687-93, Jul 64  
 Age and long-term hospital care following cerebrovascular accidents. Wyllie CM. *J Amer Geriatr Soc* 12:763-70, Aug 64  
 The effect of hyperbaric oxygen on experimental cerebral infarction in the dog. With preliminary correlations of cerebral blood flow at 2 atmospheres of oxygen. Jacobson I, et al. *J Neurosurg* 20:849-59, Oct 63  
 Experimental carotid ligation followed by aneurysmal formation and other morphological changes in the circle of Willis. Hassler O. *J Neurosurg* 20:1-7, Jan 63  
 Angiography in cerebrovascular disease. Pribram HF. *J Neurosurg* 20:34-40, Jan 63  
 Circulatory reflexes in patients with cerebrovascular disease. Appenzeller O, et al. *New Eng J Med* 271:820-3, 15 Oct 64  
 The use and abuse of cerebral angiography in the diagnosis of strokes. Bull J. *Proc Roy Soc Med* 57:859-61, Aug 64  
 Persistent primitive trigeminal artery. One type of persistent carotid-basilar anastomosis. Hinck VC, et al. *Radiology* 83:41-5, Jul 64  
 Traumatic occlusion of the basilar artery within a clivus fracture. Loop JW, et al. *Radiology* 83:36-40, Jul 64  
 The treatment of cerebrovascular insufficiency by intravenous procaine and antihistamine compound. Rosner S. *Vasc Dis* 1:214-5, Jul 64  
 [Hormone therapy of cerebral edema in cerebrovascular accidents] Façon E, et al. *Presse Med* 72:2377-9, 3 Oct 64 (Fr)

## CERIUM ISOTOPES

Effects of Ce144 administered to pregnant rats. McFee AF. *Proc Soc Exp Biol Med* 116:712-5, Jul 64

## CERUMEN

Sudden loss of vestibular function after irrigation of the ear. Peltersen E. *J Laryng* 78:494-6, Jul 64

## CERVICAL VERTEBRAE

Horner's syndrome produced by hypertrophic spurs from the cervical spine. Khurana KM, et al. *Brit J Ophthal* 48:227-9, Apr 64  
 Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. Gurdjian ES, et al. *J Neurosurg* 20:418-27, May 63  
 Cervical myelopathy with fasciculations in the lower extremities. King RB, et al. *J Neurosurg* 20:948-52, Nov 63  
 Anterior cervical fusion; solution of a particular problem. Estridge MN, et al. *J Neurosurg* 20:441-4, May 63  
 Diagnostic criteria for distinguishing cervical disk herniation from spondylitis in the neural compression syndrome. McGinnis KD, et al. *Radiology* 83:67-73, Jul 64  
 [Acute blockage of the spine in the cervical region and its relation to osteochondrosis] Giebel MG, et al. *Deutsch Med Wschr* 89:1832-8, 25 Sep 64 (Ger)  
 [Pathological-anatomical findings in the cervical spine region of patients with skull injuries with fatal outcome] Leichsenring F. *Deutsch Med Wschr* 89:1469-75, 31 Jul 64 (Ger)

## CERVIX MUCUS

I-131-uptake in cervical mucus during the menstrual



cycle. Parisier HE, et al.  
Fertil Steril 15:433-9, Jul-Aug 64

## CERVIX NEOPLASMS

Misleading exfoliative cytology.  
Brit Med J 5413:874-5, 3 Oct 64  
Circumcision and cervical cancer. Eser SR.  
Brit Med J 5416:1073-4, 24 Oct 64  
The growth characteristics in vitro of normal epithelium, dysplasia, and carcinoma-in-situ of the uterine cervix. Richart RM.  
Cancer Res 24:662-9, May 64  
Symptomless carcinoma of the cervix. Garrett WJ.  
J Obstet Gynaec Brit Comm 71:517-28, Aug 64  
The prevention of cervical cancer. Who takes the smears? Wolfendale M, et al. Lancet 2:901-2, 24 Oct 64  
Postoperative vaginal-vault disruption. Report of a case. Ranney B. Obstet Gynec 23:793-4, May 64  
[The cultivation of human cancer tissue in tissue culture and determination of its sensitivity towards new cytostatics] Limburg H, et al.  
Deutsch Med Wochr 89:1938-46, 9 Oct 64 (Ger)

## CERVIX UTERI

The growth characteristics in vitro of normal epithelium, dysplasia, and carcinoma-in-situ of the uterine cervix. Richart RM.  
Cancer Res 24:662-9, May 64  
The incompetent cervix: a survey of survivors.  
Goldstein PJ, et al. Obstet Gynec 23:752-6, May 64

## CESAREAN SECTION

Labour following caesarean section in a primitive community. A study of 801 patients.  
Mitford-Barberton GD, et al.  
J Obstet Gynaec Brit Comm 71:469-73, Jun 64  
A teratoma of the placenta. Fox H, et al.  
J Path Bact 88:137-40, Jul 64  
Foetal acidosis. Derom R. Lancet 2:757, 3 Oct 64  
Caesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases. Alexander JA, et al.  
Southern Med J 57:1282-7, Nov 64

## CESIUM ISOTOPES

Radioactive contamination of the human diet and of man. Harley JH.  
Arch Environ Health (Chicago) 9:649-53, Nov 64  
Intracavitary irradiation of malignant brain tumours. Drake CG, et al. J Neurosurg 20:428-34, May 63  
Distribution of cesium-137 after chronic exposure in dogs and mice. Furchner JE, et al.  
Proc Soc Exp Biol Med 116:375-8, Jun 64

## CHEEK

Stromal interference in radioresponse of squamous cell carcinoma of the oral cavity. Krishnamurthi S, et al.  
Clin Radiol 15:246-50, Jul 64

## CHEESE

[The survival of Shigella sonnei in a cheese experimentally contaminated and preserved in a refrigerator] Szturm Rubinsten S.  
Presse Med 72:2115-6, 29 Aug 64 (Fr)

## CHEMISTRY, ANALYTICAL

Automation in clinical chemistry, with special reference to the autoanalyzer. Whitby LG.  
Brit Med J 5414:895-9, 10 Oct 64

## CHIARI-FROMMEL SYNDROME

The Chiari-Frommel syndrome. An experiment of nature. Chard T.  
J Obstet Gynaec Brit Comm 71:624-6, Aug 64

## CHICKENPOX

Varicella of the cornea treated with 5-iodo-2'-deoxyuridine. Cairns JE.  
Brit J Ophthalmol 48:288-9, May 64

## CHILD

Heights and weights of white nursery-school children n Pretoria. Prinsloo JG. S Afr Med J 38:601-6, 15 Aug 64

## CHILD ABUSE

"The battered baby syndrome". Ziering W, et al.  
J Pediat 65:321-2, Aug 64

## CHILD BEHAVIOR DISORDERS

The use of drug combinations in pediatric psychiatry. Faretra G, et al. Curr Ther Res 6:340-3, May 64  
A practical, quantitative method for recognizing

behavioral illness in boys 9 to 14 years of age. Kearsley RB, et al. J Pediat 65:256-66, Aug 64  
Suicide and suicidal attempts in children and adolescents. Lancet 2:847-8, 17 Oct 64

## CHILD CARE

Health and day care for children of migrant workers. Siegel E. Public Health Rep 79:847-52, Oct 64

## CHILD PSYCHIATRY

The use of drug combinations in pediatric psychiatry. Faretra G, et al. Curr Ther Res 6:340-3, May 64

## CHILD PSYCHOLOGY

A comment on the segregated learning situation as an insulating device for the Negro child. Holland FN. Psychiatry 27:301-3, Aug 64  
The observer-observed relationship as information about structure in small-group research; a comparative study of urban elementary school classrooms. Gussow Z. Psychiatry 27:230-47, Aug 64

## CHILD WELFARE

Health and day care for children of migrant workers. Siegel E. Public Health Rep 79:847-52, Oct 64

## CHIROPTERA

A new virus, "MML", enzootic in bats (Myotis lucifugus) of Montana. Bell JF, et al.  
Amer J Trop Med 13:607-12, Jul 64

## CHLAMYDIA

Trachoma viruses isolated in the United States. 8. Separation of TRIC viruses from related agents by immunofluorescence. Hanna L, et al.  
Proc Soc Exp Biol Med 116:827-31, Jul 64  
Trachoma viruses isolated in United States. VII. Relative toxicity of different strains for white mice. Reeve P. Proc Soc Exp Biol Med 116:373-5, Jun 64

## CHLORAMBUCIL

Chemotherapy of chronic lymphocytic leukemia. Kaung DT, et al.  
Arch Intern Med (Chicago) 114:521-4, Oct 64  
Influence of alkylating agents on kidney erythropoietin production. Fisher JW, et al.  
Cancer Res 24:963-8, Jul 64  
Treatment of neoplastic effusions with chlorambucil. Zelenik JS, et al. Obstet Gynec 23:703-7, May 64  
Anti-leukaemic drugs. Innes J.  
Practitioner 193:101-6, Jul 64

## CHLORAMINES

Oxidative inactivation of different types of enterovirus. Lund E. Amer J Hyg 80:1-10, Jul 64

## CHLORAMPHENICOL

Herpes zoster ophthalmicus in an 8-year-old child. Birks DA. Brit J Ophthalmol 47:60-1, Jan 63  
Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al.  
J Bact 87:1397-401, Jun 64  
Genetic recombination between the resistance transfer factor and the chromosome of Escherichia coli. Ginoza HS, et al. J Bact 87:1339-45, Jun 64  
Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al.  
J Bact 87:1397-401, Jun 64  
Genetic recombination between the resistance transfer factor and the chromosome of Escherichia coli. Ginoza HS, et al. J Bact 87:1339-45, Jun 64  
Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al.  
J Clin Path 17:461-5, Jul 64

## CHLORDIAZEPOXIDE

Wernicke's syndrome treated with parenteral and oral chlordiazepoxide. Doeff JW, et al.  
Amer J Psychiat 121:183, Aug 64  
Korsakoff-like psychosis associated with benzodiazepine overdosage. Hallberg RJ, et al.  
Amer J Psychiat 121:188-9, Aug 64  
Headaches and migraine associated with eyestrain. Preliminary report of a trial of chlordiazepoxide. Orbell G. Brit J Ophthalmol 47:246-7, Apr 63  
[Preliminary clinical trials of Ro 4-61-61 in gastroenterology and proctology] Pradel E.  
Presse Med 72:2113-4, 29 Aug 64 (Fr)

## CHLORIDES

Electrolyte and nitrogen changes in skeletal muscle of developing rats. Vernadakis A, et al.  
Amer J Physiol 206:1365-8, Jun 64

A colorimetric method for determination of serum chloride. Schoenfeld RG, et al.  
Clin Chem 10:533-9, Jun 64  
d-Aldosterone and sweat electrolytes. McConahay TP, et al. J Appl Physiol 19:575-9, Jul 64  
Poisonings and other health hazards associated with use of detergents. Arena JM. JAMA 190:56-8, 5 Oct 64  
Changes of blood elements and the circulatory system in climbing. 3. Sumiyoshi K, et al.  
Jap Circ J 28:669-75, Sep 64  
Massive diuresis following renal homotransplantation. Magee JH, et al.  
Proc Soc Exp Biol Med 116:480-3, Jun 64  
Diuresis following administration of the antidiuretic hormone. Boba A, et al. Surg Forum 15:20-1, 1964

## CHLORINE

Oxidative inactivation of different types of enterovirus. Lund E. Amer J Hyg 80:1-10, Jul 64  
Schistosomiasis and the chlorination of sewage effluent. Rowan WB.  
Amer J Trop Med 13:577-81, Jul 64

## CHLORISONDAMINE

Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. Pardo EG, et al. J Pharmacol Exp Ther 144:124-30, Apr 64

## CHLOROFORM

[On the therapy of tetanus] Izar G.  
Minerva Med 55:2409-12, 18 Aug 64 (It)

## CHLOROPHYLL

The reversible interaction of sodium dodecyl sulfate with bacterial chromatophores. Newton JW.  
J Biol Chem 239:1585-8, May 64

## CHLOROQUINE

The ototoxicity of chloroquine phosphate. Hart CW, et al. Arch Otolaryng (Chicago) 80:407-12, Oct 64  
Chloroquine suicide. Kiel FW.  
JAMA 190:398-400, 26 Oct 64  
The value and dangers of antimalarial therapy in arthritis with special relation to ophthalmic complications. Kersley GD.  
Proc Roy Soc Med 57:669-71, Aug 64

## CHLOROTHIAZIDE

Effects of chlorothiazide on working capacity of normal subjects. Danzinger RG, et al.  
J Appl Physiol 19:636-8, Jul 64  
Renal tubular effects of ethacrynic acid. Earley LE, et al. J Clin Invest 43:1495-506, Jul 64  
The choice of hypotensive agents. Palmer KN.  
Practitioner 193:43-9, Jul 64

## CHLORPROMAZINE

Tracer studies on a transplantable hamster melanoma. Potts AM. Arch Ophthalmol (Chicago) 72:359-64, Sep 64  
Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. Curr Ther Res 6:331-9, May 64  
The use of drug combinations in pediatric psychiatry. Faretra G, et al. Curr Ther Res 6:340-3, May 64  
Inhibition of vasopressin release in rats by chlorpromazine and reserpine. Moses AM.  
Endocrinology 74:889-93, Jun 64  
Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. Raynor RB, et al. J Neurosurg 20:94-6, Feb 63  
Effects of amphetamine, chlorpromazine, pentobarbital, and ethanol on operant response duration. Weiss B, et al.  
J Pharmacol Exp Ther 144:17-23, Apr 64  
The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE.  
J Pharmacol Exp Ther 144:45-51, Apr 64  
Treatment of acute hypertensive crises in surgical patients. Baldini E, et al. JAMA 190:157-8, 12 Oct 64

## CHLORPROMAZINE TOXICOLOGY

Dermatological and ophthalmological changes associated with prolonged chlorpromazine therapy. Feldman PE, et al. Amer J Psychiat 121:187-8, Aug 64  
Neurological symptoms with phenothiazines. Bockner S. Brit Med J 5413:876, 3 Oct 64  
An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. Proc Roy Soc Med 57:758-62, Aug 64

## CHLORTHALIDONE

The relation between hypopotassemia and alkalosis during administration of polythiazide and



chlorthalidone. Rooth G, et al.  
*Acta Med Scand* 176:51-7, Jul 64

**CHOLANGIOGRAPHY**

The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. Bercl G, et al.  
*Amer J Surg* 108:250-6, Aug 64

**CHOLANGITIS**

A note on the chemical estimation of oestrogens in the urine of patients with liver disease. Adlercreutz H, et al. *Acta Endocr (Kobenhavn)* 46:230-4, Jun 64

The effect of intermittent administration of alpha-naphthyl isothiocyanate to rats. Moran E, et al. *Amer J Path* 44:947-60, Jun 64

Results of surgery in the treatment of stenosis of the sphincter of Oddi. Autio V, et al.  
*Ann Chir Gynaec Fenn* 53:328-37, 1964

Abdominal surgery. Welch CE.  
*New Eng J Med* 271:943-8 concl, 29 Oct 64

**CHOLECYSTECTOMY**

The loss of protein in human and canine hepatic bile. Hardwicke J, et al. *Clin Sci* 26:509-17, Jun 64

Cholecystectomy. Zollinger RM, et al.  
*JAMA* 190:145-6, 12 Oct 64

Effect of cholecystokinin on the normal common duct after cholecystectomy. Blasberg G, et al.  
*Surg Forum* 15:375-7, 1964

[Postoperative hemobilia] Flabeau F, et al.  
*Presse Med* 72:2381-4, 3 Oct 64 (Fr)

**CHOLECYSTITIS**

Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN.  
*Amer J Path* 44:973-81, Jun 64

Cholecystitis following gastric surgery. Griffiths JM, et al. *Lancet* 2:780-2, 10 Oct 64

**CHOLECYSTOGRAPHY**

Acute renal changes after oral cholecystography. Rennie ID. *Lancet* 2:645, 19 Sep 64

Acute renal changes after oral cholecystography. Doherty P. *Lancet* 2:818, 10 Oct 64

**CHOLECYSTOKININ**

Effect of cholecystokinin on the normal common duct after cholecystectomy. Blasberg G, et al.  
*Surg Forum* 15:375-7, 1964

**CHOLELITHIASIS**

The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. Bercl G, et al.  
*Amer J Surg* 108:250-6, Aug 64

Primary carcinoma of the gallbladder. Nield JM.  
*Aust New Zeal J Surg* 34:43-6, Aug 64

Abdominal surgery. Welch CE.  
*New Eng J Med* 271:943-8 concl, 29 Oct 64

**CHOLERA**

[New trends in cholera research] Günther O.  
*Deutsch Med Wschr* 89:1958-9, 9 Oct 64 (Ger)

**CHOLERA VACCINE**

[New trends in cholera research] Günther O.  
*Deutsch Med Wschr* 89:1958-9, 9 Oct 64 (Ger)

**CHOLESTEATOMA**

The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al.  
*Radiology* 83:26-35, Jul 64

**CHOLESTEROL**

Autoradiographic demonstration of ingested cholesterol-4-C-14 in the normal and atheromatous aorta. Schlant RC, et al. *Amer J Path* 44:877-87, Jun 64

Uptake of cholesterol by segments of small intestine of rat. Shamma'a MH, et al.  
*Amer J Physiol* 207:33-6, Jul 64

Effect of ACTH on total adrenal cholesterol in bursectomized chicks. Sato K, et al.  
*Amer J Physiol* 207:47-9, Jul 64

Cholesterol crystals in the anterior chamber. Kumar S. *Brit J Ophthalm* 47:295-9, May 63

Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al.  
*Cancer Res* 24:596-602, May 64

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64

Influence of calcium ions and freezing upon the

conversion of cholesterol-7-alpha-3H to corticosterone-3H by homogenate of rat adrenal. Hall PF, et al. *Endocrinology* 75:135-7, Jul 64

The synergism of x-irradiation and cholesterol-fat feeding on the development of coronary artery lesions. Amromin GD, et al.  
*J Atheroscler Res* 4:325-34, Jul-Aug 64

Effect of physical activity upon cholesterol synthesis in the rat liver. Aleksandrow D, et al.  
*J Atheroscler Res* 4:351-5, Jul-Aug 64

Oxydative phosphorylation in aortic homogenates. Wollemann M, et al.  
*J Atheroscler Res* 4:367-9, Jul-Aug 64

The intermediary role of delta-5,7-cholestadien-3-beta-ol in cholesterol biosynthesis. Dempsey ME, et al.  
*J Biol Chem* 239:1381-7, May 64

The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al.  
*J Biol Chem* 239:1335-45, May 64

Conversion of cholesterol to trihydroxycoprostanic acid and cholic acid in man. Carey JB Jr.  
*J Clin Invest* 43:1443-8, Jul 64

Serum and aortic lipids in rabbits fed cholesterol and linoleic acid stereoisomers. Weigensberg BI, et al.  
*J Nutr* 83:314-24, Aug 64

Effect of dietary protein level and cholesterol supplementation prior to acute starvation on serum and liver lipids in the rat. Méndez J.  
*Metabolism* 13:669-74, Jul 64

Effect of 22,25-diazacholesterol on synthesis of cholesterol by rat liver homogenates. Dvornik D, et al. *Proc Soc Exp Biol Med* 116:537-9, Jun 64

Effects of medium- and long-chain saturated triglycerides on blood and liver cholesterol of chickens and rats. Fisher H, et al.  
*Proc Soc Exp Biol Med* 116:278-80, Jun 64

Absolute requirement for free sterol for absorption by rat intestinal mucosa. Vahouny GV, et al.  
*Proc Soc Exp Biol Med* 116:496-8, Jun 64

Experimental primate atherogenesis. Stephenson SE Jr, et al. *Surg Forum* 15:287-8, 1964

**CHOLINE**

Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al.  
*Amer J Physiol* 207:71-6, Jul 64

Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA.  
*Cancer Res* 24:619-25, May 64

**CHOLINESTERASE**

Organophosphorus insecticides in Colorado. Holmes JH. *Arch Environ Health (Chicago)* 9:445-53, Oct 64

Polarographic determination--cholinesterase activity. Fiserova-Bergerova V.  
*Arch Environ Health (Chicago)* 9:438-44, Oct 64

Cholinesterases, monoamine oxidases, and phosphorylase in the iris muscles. Niemi M, et al.  
*Arch Ophthalm (Chicago)* 72:548-53, Oct 64

Studies on a cholinesterase of *Pseudomonas fluorescens*. 3. Acetyltransferase activity. Fitch WM.  
*J Biol Chem* 239:1328-34, May 64

Enzymes and drug sensitivity. The genetics of serum cholinesterase 'deficiency' in relation to suxamethonium apnoea. Harris H.  
*Proc Roy Soc Med* 57:503-6, Jun 64

**CHOLINESTERASE INHIBITORS**

Comparison between pilocarpine and echothiophate for chronic simple glaucoma. A comparison between 4 per cent pilocarpine and 0.06 per cent echothiophate iodine in the diurnal management of chronic simple glaucoma. Pratt-Johnson JA, et al.  
*Arch Ophthalm (Chicago)* 72:485-8, Oct 64

Organic phosphorus poisoning and therapy. Molphy R, et al. *Med J Aust* 2:337-40, 29 Aug 64

**CHONDROITIN**

The use of lanthanum to study the degradation of a proteopolysaccharide from cartilage. Doganges PT, et al. *J Biol Chem* 239:1498-503, May 64

Incorporation of 14C and 3H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. Silbert JE.  
*J Biol Chem* 239:1310-5, May 64

**CHONDROMA**

Paronychia due to an enchondroma. Shelley WB, et al.  
*Arch Derm (Chicago)* 90:412-3, Oct 64

**CHORDAE TENDINAE**

The clinical diagnosis and surgical management of ruptured mitral chordae tendineae. Menges H Jr, et al. *Circulation* 30:8-16, Jul 64

**CHORIOCARCINOMA**

Prognosis of cancer of the testis. Follow-up study of 69 cases. Perttala Y.  
*Ann Chir Gynaec Fenn* 53:349-56, 1964

The diagnosis of choriocarcinoma. Wade-Evans T. *Clin Radiol* 15:256-9, Jul 64

Chorion-carcinoma in the Midlands. Mills W. *Clin Radiol* 15:260-2, Jul 64

Chorion-carcinoma-radiotherapy. Bromley JF. *Clin Radiol* 15:263-6, Jul 64

Infusion therapy for pelvic trophoblastic tumours. Bagshawe KD, et al.  
*J Obstet Gynaec Brit Comm* 71:565-70, Aug 64

Pelvic angiography in the diagnosis of malignant trophoblastic disease. Hendrickse JP de, et al.  
*New Eng J Med* 271:859-66, 22 Oct 64

Serum aminopeptidase in pregnancy, hydatiform mole, and choriocarcinoma. Smith EE, et al.  
*Surg Forum* 15:391-2, 1964

**CHORIORETINITIS**

Marchesani's syndrome. Rahman M, et al.  
*Brit J Ophthalm* 47:182-3, Mar 63

**CHORISTOMA**

Choristoma of the gall-bladder. Brunton FJ.  
*Clin Radiol* 15:283-5, Jul 64

**CHOROID**

The ultrastructure of Bruch's membrane. II. Eyes with a tapetum. Nakazumi Y.  
*Arch Ophthalm (Chicago)* 72:388-94, Sep 64

The ultrastructure of Bruch's membrane. I. Human, monkey, rabbit, guinea pig, and rat eyes. Nakazumi Y. *Arch Ophthalm (Chicago)* 72:380-7, Sep 64

The ultrastructure of Bruch's membrane. 3. The macular area of the human eye. Nakazumi Y, et al. *Arch Ophthalm (Chicago)* 72:395-400, Sep 64

Photocoagulation of the retina: ophthalmoscopic and histological findings. Lavyel A.  
*Brit J Ophthalm* 47:577-87, Oct 63

Current developments in ophthalmology. Fluorescein studies of the choroidal circulation. Hill DW, et al.  
*Proc Roy Soc Med* 57:500-2, Jun 64

**CHOROID NEOPLASMS**

Malignant melanoma en plaque. Local extraocular extension. Alexander RL, et al.  
*Arch Ophthalm (Chicago)* 72:498-500, Oct 64

Melanoma or no. Cogan DG.  
*Arch Ophthalm (Chicago)* 72:451-2, Oct 64

Malignant melanoma of the choroid of a peculiar cavernous type. Clinical manifestation by hemorrhage of the vitreous body. Jensen OA.  
*Arch Ophthalm (Chicago)* 72:337-40, Sep 64

Lesions mistaken for malignant melanoma of the posterior uvea. A clinicopathologic analysis of 100 cases with ophthalmoscopically visible lesions. Ferry AP. *Arch Ophthalm (Chicago)* 72:463-9, Oct 64

Malignant melanomata of the choroid. François J. *Brit J Ophthalm* 47:736-43, Dec 63

Choroidal haemangio-endothelioma. Lister A, et al.  
*Brit J Ophthalm* 47:215-21, Apr 63

**CHOROID PLEXUS**

Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. De La Torre E, et al.  
*J Neurosurg* 20:461-70, Jun 63

Angiographic appearance of a papilloma of the choroid plexus of the lateral ventricle. Hammon WM, et al.  
*J Neurosurg* 20:711-4, Aug 63

**CHRISTMAS DISEASE**

Massive hemorrhage--scalps of newborn infants. Kozinn PJ, et al. *Amer J Dis Child* 108:413-7, Oct 64

Neuropathy in hemophilia. Silverstein A.  
*JAMA* 190:554-5, 9 Nov 64

Intensive plasma therapy in the hemophilias. Roberts HR, et al. *JAMA* 190:546-8, 9 Nov 64

**CHROMATOGRAPHY**

Chromatographic separation of pepsins from human gastric juice. Seijffers MJ, et al.  
*Amer J Physiol* 207:8-12, Jul 64

Gas chromatographic determination of lower alcohols in biologic samples. Lyons H, et al.  
*Clin Chem* 10:429-32, May 64

A simple apparatus for thin-layer chromatography. Walsh MP. *J Clin Path* 17:469, Jul 64

**CHROMATOPHORES**

The reversible interaction of sodium dodecyl sulfate with bacterial chromatophores. Newton JW.  
*J Biol Chem* 239:1585-8, May 64



## CHROMIUM

Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. Schroeder HA, et al. *J Nutr* 83:239-50, Jul 64

## CHROMIUM ISOTOPES

Recurrent cystic formation in cranioopharyngioma treated with radioactive chromic phosphate. Case report. Overton MC 3d, et al. *J Neurosurg* 20:707-10, Aug 63

## CHROMOSOME ABNORMALITIES

Chromosome mosaicism in Stein-Leventhal syndrome. Bishun NP, et al. *Brit Med J* 5418:1200, 7 Nov 64  
Mongolism (Down's syndrome) with atypical clinical and cytogenetic features. Sergovich FR, et al. *J Pediatr* 65:197-207, Aug 64  
Klinefelter's syndrome with the XXY sex chromosome complex. With particular reference to prepubertal diagnosis. Robinson GC, et al. *J Pediatr* 65:226-32, Aug 64  
Maternal transmission of a new group-C(6/9) chromosomal syndrome. Rohde RA, et al. *Lancet* 2:838-40, 17 Oct 64  
Some aspects of chromosome mosaicism in clinical medicine. Blank CE. *Lancet* 2:903-6, 24 Oct 64  
[Idiopathic hyperglycemia (glycinosis)] Schreier K, et al. *Deutsch Med Wschr* 89:1739-43, 11 Sep 64 (Ger)  
[Hypothesis of chromosomal translocation as a genetic interpretation of Fanconi's familial constitutional panmyelopathy] Fanconi G. *Helv Paediat Acta* 19:29-33, Jun 64 (Ger)

## CHROMOSOMES

The effects of buffered solutions of dextran upon HeLa carcinoma cells. Powell AK. *Brit J Cancer* 18:333-41, Jun 64  
Constancy of chromosome karyotype in human tumors H.Ad. 1 and H.Ep. 3 maintained in laboratory animals. Haley HB, et al. *Cancer Res* 24:639-47, May 64  
Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. Ginoza HS, et al. *J Bact* 87:1339-45, Jun 64  
Clinical, hormonal and cytogenetic findings in a true hermaphrodite. Shearman RP, et al. *J Obstet Gynaec Brit Comm* 71:827-33, Aug 64  
Chromosomes without tears. I. Valentine GH. *Practitioner* 193:61-8 contd, Jul 64  
The frequency of dicentric in human leukocytes irradiated in vivo and in vitro. Norman A, et al. *Radiology* 83:108-10, Jul 64

## CHYLOMICRONS

An assessment of the role of alpha and beta chylomicra in hyperlipemic states. Nye WH. *Proc Soc Exp Biol Med* 118:350-4, Jun 64

## CHYMOTRYPSIN

Glaucoma following cataract extraction associated with use of alpha-chymotrypsin. Kirsch RE. *Arch Ophthalmol (Chicago)* 72:612-20, Nov 64  
Use of 200 times the recommended dose of alpha-chymotrypsin without complications. Ray PK. *Brit J Ophthalmol* 48:230-1, Apr 64  
Management of posterior dislocation of the lens after zonulolysis. Blach RK. *Brit J Ophthalmol* 47:764-5, Dec 63  
Vitreous detachment in aphakic eyes. Hauer Y, et al. *Brit J Ophthalmol* 48:341-3, Jun 64  
Scleral ledge in cataract incision: a cause of rupture of the capsule. Sihota GS. *Brit J Ophthalmol* 47:567-9, Sep 63  
Anaphylactic reaction caused by intramuscular injection of lyophilized alpha-chymotrypsin. Watson PG. *Brit J Ophthalmol* 48:35-8, Jan 64  
The chymotrypsin-catalyzed hydrolysis and synthesis of N-acetyl-L-tyrosine hydroxamic acid. Caplow M, et al. *J Biol Chem* 239:1640-52, May 64  
The mechanism of the specificity of trypsin catalysis. II. Comparison of trypsin and alpha-chymotrypsin in the nonspecific catalyses of the hydrolysis of acetylglycine ethyl ester. Inagami T, et al. *J Biol Chem* 239:1388-94, May 64  
Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 118:669-71, Jul 64  
Effect of ethionine-induced pancreatic damage on intestinal enzyme activity of the rat. Libre EP, et al. *Proc Soc Exp Biol Med* 118:452-4, Jun 64

## CICATRIX

Regional keloid susceptibility. Crockett DJ. *Brit J Plast Surg* 17:245-53, Jul 64  
Removal of cerebral cortical tissue with negligible scar formation using a beam of high-energy particles. Van Dyke D, et al. *J Neurosurg* 20:289-95, Apr 63

## CILIA

Human ciliated epithelial cells in nasal secretions. Morphologic and histochemical aspects. Bryan WT, et al. *Ann Otol* 73:474-87, Jun 64  
Effect of tobacco smoke solutions on *Paramecium*. Weiss W, et al. *Arch Environ Health (Chicago)* 9:500-4, Oct 64

## CILIARY BODY

Production of hyaluronic acid by cysts and tumors of the ciliary body. Zimmerman LE, et al. *Arch Ophthalmol (Chicago)* 72:365-79, Sep 64  
Lesions mistaken for malignant melanoma of the posterior uvea. A clinicopathologic analysis of 100 cases with ophthalmoscopically visible lesions. Ferry AP. *Arch Ophthalmol (Chicago)* 72:463-9, Oct 64  
Features of the peripheral iris as seen by gonioscopy after cataract extraction. Abrams JD. *Brit J Ophthalmol* 47:713-20, Dec 63  
Localization of intra-ocular foreign body by stainless steel sutures. Kerkenezov N. *Brit J Ophthalmol* 48:169-72, Mar 64  
Partial cyclectomy. Some further modifications in technique. Stallard HB. *Brit J Ophthalmol* 48:1-6, Jan 64

## CINEFLUOROGRAPHY

An inexpensive 35 to 16-mm. reduction printer and animation device for cineradiographic films. Criley JM, et al. *Amer Heart J* 68:51-4, Jul 64  
The role of cinefluorography in clinical cardiology: present and future. McIntosh HD, et al. *Amer Heart J* 68:12-8, Jul 64  
Stereokinoradiography. I. Perception of motion and depth. Potsaid MS. *New Eng J Med* 271:1048-57, 12 Nov 64

## CIRCLE OF WILLIS

Experimental carotid ligation followed by aneurysmal formation and other morphological changes in the circle of Willis. Hassler O. *J Neurosurg* 20:1-7, Jan 63  
Intracranial surgery for aneurysm: effect of hypothermia upon survival. Hamby WB. *J Neurosurg* 20:41-5, Jan 63

## CIRCUMCISION

Circumcision and cervical cancer. Eser SR. *Brit Med J* 5418:1073-4, 24 Oct 64

## CITRATES

Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from *Mycobacterium tuberculosis*. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64  
Mitochondrial stimulation of fatty acid biosynthesis. Bhaduri AM, et al. *J Biol Chem* 239:1357-63, May 64  
The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64  
Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64  
Effect of dietary magnesium and fluoride on citric acid content of chick bones. Griffith FD, et al. *Proc Soc Exp Biol Med* 116:622-3, Jul 64

## CITY PLANNING

Creating man's environment in tomorrow's cities. Becket W. *Arch Environ Health (Chicago)* 9:809-14, Nov 64

## CLEFT LIP

Congenital anomalies associated with idiopathic mental retardation. Smith DW, et al. *J Pediatr* 65:189-98, Aug 64  
The unilateral cleft lip nose. Millard DR Jr. *Plast Reconstr Surg* 34:169-75, Aug 64  
Nasal defects associated with cleft lip deformity. Marcks KM, et al. *Plast Reconstr Surg* 34:176-81, Aug 64  
Harelip repair in Colonial America. A review of 18th century and earlier surgical techniques. Rogers BO. *Plast Reconstr Surg* 34:142-62, Aug 64  
Cleft lip and palate in dogs. Jurkiewicz MJ. *Surg Forum* 15:457-8, 1964

## CLEFT PALATE

Congenital anomalies associated with idiopathic mental retardation. Smith DW, et al. *J Pediatr* 65:189-98, Aug 64  
Cleft lip and palate in dogs. Jurkiewicz MJ. *Surg Forum* 15:457-8, 1964

## CLONORCHIASIS

Cholelithiasis-choleanglectasis of South-East Asia. Paul M. *Aust New Zeal J Surg* 34:50-3, Aug 64

## CLOSTRIDIUM

Sulfonamide resistance of *Clostridium sporogenes*. Neikirk RL, et al. *J Bact* 87:1526-7, Jun 64  
Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64  
The identification of *Clostridium novyi* (*Clostridium oedematiens*) and *Clostridium tetani* by the use of fluorescent labelled antibodies. Batty I, et al. *J Path Bact* 88:327-8, Jul 64

## CLOSTRIDIUM BOTULINUM

Purification and molecular weight determination of *Clostridium botulinum* type E toxin. Gerwing J, et al. *J Bact* 88:216-9, Jul 64

## CLOSTRIDIUM PERFRINGENS

Toxin production of faecal strains of *Clostridium welchii*. Price DJ, et al. *Brit Med J* 5418:1176-7, 7 Nov 64  
Clostridial infection. *Brit Med J* 5418:1150-1, 7 Nov 64  
Heat-resistant *Clostridium welchii* in Ceylon soils. Wijewanta EA. *J Path Bact* 88:339-42, Jul 64  
The isolation of *Clostridium perfringens* type C from necrotic enteritis of man in Papua-New Guinea. Egerton JR, et al. *J Path Bact* 88:275-8, Jul 64  
The types of *Clostridium perfringens*. Sterne M, et al. *J Path Bact* 88:279-83, Jul 64  
A case of meningitis due to *Clostridium welchii*. Willis AT, et al. *J Path Bact* 88:312-4, Jul 64

## CLUBFOOT

The treatment of club-foot and its results: a follow-up study. Semb HT. *Acta Orthop Scand* 34:271-82, 1964  
[The Durand-Zunin syndrome. Report of a pertinent observation ] Simon C, et al. *Helv Paediat Acta* 19:78-84, Jun 64 (Ger)

## COAL MINING

A case of long-standing narcolepsy in a coalminer. Williamson DM. *Practitioner* 193:69-70, Jul 64

## COBALT

Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64  
Effect of anoxic-ischemic procedure on experimental epilepsy in the rat. Payan H, et al. *Proc Soc Exp Biol Med* 116:454-6, Jun 64

## COBALT ISOTOPES

Results of radiation dosimetry in telecobalt and roentgen therapy. Voutilainen A, et al. *Ann Chir Gynaec Fenn* 53:357-63, 1964  
Automation of radiation treatment planning. IV. Derivation of a mathematical expression for the percent depth dose surface of cobalt 60 beams and visualisation of multiple field dose distributions. Sterling TD, et al. *Brit J Radiol* 37:544-50, Jul 64  
Treatment of post-cricoid carcinoma by combined intravaginal and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64  
Lung changes following cobalt teletherapy for carcinoma of the breast. Papavasiliou C, et al. *Clin Radiol* 15:242-5, Jul 64  
Treatment of post-cricoid carcinoma by combined intracavitary and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64  
Carcinoma of bladder: cobalt therapy. Goodman GB, et al. *J Urol* 92:30-6, Jul 64  
[Clinical evaluation of the proteo-anabolic activity of l-methyl-delta androstenedione in patients with malignant neoplasms during actinotherapy] Pipino G. *Minerva Med* 55:2413-7, 18 Aug 64 (It)

## COCAINE

A study of the mechanisms of the modifying actions of cocaine, ephedrine and imipramine on the cardiovascular response to norepinephrine and epinephrine. Eble JN. *J Pharmacol Exp Ther* 144:76-82, Apr 64

## COCCIDIOIDES

The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. Dzawachiszwill N, et al. *J Invest Derm* 43:103-9, Aug 64

## COCCIDIOIDOMYCOSIS

The clinical usefulness of fungal serologic testing. Mays EE, et al. *Dis Chest* 46:205-10, Aug 64  
Complement-fixation titers in experimental



coccidioidomycosis in rabbits. Brosbe EA, et al. *J Bact* 88:233-41, Jul 64

## COCHLEA

Cumulative effects of oxygen lack on the electrical phenomena of the cochlea. Deutsch E. *Ann Otol* 73:348-57, Jun 64

Further observations on the pathology of presbycusis. Schuknecht HF.

Arch Otolaryng (Chicago) 80:369-82, Oct 64  
Hearing degeneration in Shaker-I mouse. Correlation of physiological observations with behavioral responses and with cochlear anatomy. Mikaelian DO, et al. *Arch Otolaryng (Chicago)* 80:418-30, Oct 64  
Effect of auditory stimulation of reproduction. IV. Experiments of deaf rats. Zondek B, et al. *Proc Soc Exp Biol Med* 116:636-7, Jul 64

## COCHLEAR NERVE

The ototoxicity of chloroquine phosphate. Hart CW, et al. *Arch Otolaryng (Chicago)* 80:407-12, Oct 64

## COCONUT

Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. Carew LB Jr, et al. *J Nutr* 83:300-6, Aug 64

## CODEINE

Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics. Martin WR, et al. *J Pharmacol Exp Ther* 144:8-11, Apr 64  
Dihydrocodeine as a cough suppressant. *Practitioner* 193:86-8, Jul 64

## COENZYME A

Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al. *J Biol Chem* 239:1346-56, May 64  
The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. *J Biol Chem* 239:1335-45, May 64

## COENZYMES

Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64  
Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64

## COGNITION

Cognitive deficits and lateral brain dysfunction in temporal lobe epilepsy. Denneril RD. *Epilepsia (Amst)* 5:177-91, Jun 64

## COLD

Environmental cold and man. Andrews IC, et al. *Anesthesiology* 25:549-59, Jul-Aug 64  
Peripheral vasoconstriction induced by emotional stress in rats. Solomon GF, et al. *Angiology* 15:362-5, Aug 64  
Microangiographic visualization of blood distribution in intact and regenerated rat adrenals before and during cold stress. Kolthoff NJ, et al. *Angiology* 15:344-9, Aug 64  
[Brain volume and thiocyanate space in local cold injury. Streicher E, et al. *Arch Neurol (Chicago)* 11:444-8, Oct 64  
Effects of potassium on ram spermatozoa during chilling to and storage at 5 degrees C. O'Shea T, et al. *J Reprod Fertil* 8:121-32, Aug 64

## COLD CLIMATE

Valve of fluid and electrolyte supplements in subarctic survival situations. Rogers TA, et al. *J Appl Physiol* 19:580-2, Jul 64  
Physiological reactions to cold of men in the Antarctic. Wyndham CH, et al. *J Appl Physiol* 19:593-7, Jul 64  
Physiological reactions of Caucasian and Bantu males in acute exposure to cold. Wyndham CH, et al. *J Appl Physiol* 19:583-92, Jul 64

## COLECTOMY

Survival rate in obstructing carcinoma of colon. Loeffler I, et al. *Arch Surg (Chicago)* 89:716-8, Oct 64  
Cancer risk in ulcerative colitis. Aylett S. *Lancet* 2:820, 10 Oct 64

## COLIPHAGES

Isologous interference with ultraviolet and x-ray

irradiated bacteriophage T2. Levy SB. *J Bact* 87:1330-8, Jun 64

## COLISTIN

Intravenous administration of sodium colistimethate. Baines RD Jr, et al. *JAMA* 190:278-81, 26 Oct 64  
Apnea with intramuscular colistin therapy. Perkins RL. *JAMA* 190:421-4, 2 Nov 64

## COLITIS

"Auer colitis" in rabbits induced by intrarectal antigen. Ford H, et al. *Proc Soc Exp Biol Med* 116:745-8, Jul 64

## COLITIS, ULCERATIVE

Prognosis of ulcerative colitis. *Brit Med J* 5414:894, 10 Oct 64  
Urinary excretion of prednisolone after intrarectal therapy in ulcerative colitis. Wood WA, et al. *Brit Med J* 5416:1045-6, 24 Oct 64  
Hemolytic anemia secondary to salicylazosulfapyridine therapy. Gardner MD, et al. *JAMA* 190:71-2, 5 Oct 64  
Cancer risk in ulcerative colitis. Aylett S. *Lancet* 2:820, 10 Oct 64  
The cancer risk in ulcerative colitis. MacDougall IP. *Lancet* 2:655-8, 20 Sep 64  
Treatment of ulcerative colitis. Zetzel L. *New Eng J Med* 271:891-5, 22 Oct 64

## COLLAGEN

Mechanical properties of the collagenous framework of skin in rats of different ages. Fry P, et al. *Amer J Physiol* 206:1425-9, Jun 64  
Influence of hypothyroidism and chorionic gonadotrophin on ovarian collagen in the rat. Adams WC, et al. *Endocrinology* 75:138-9, Jul 64  
The expansile behaviour of the human uterus. Wood C. *J Obstet Gynaec Brit Comm* 71:615-20, Aug 64  
Amyloidosis: its differentiation into perireticulin and peri-collagen types. Heller H, et al. *J Path Bact* 88:15-34, Jul 64  
Collagen formation in monolayer cultures of human fibroblasts. The effects of hydrocortisone. Castor CW, et al. *Lab Invest* 13:560-74, Jun 64  
Collagenolytic activity of mammalian pancreas. Houck JC, et al. *Proc Soc Exp Biol Med* 116:382-5, Jun 64  
Tensile strength of skin collagen. Mendoza SA, et al. *Surg Forum* 15:433-4, 1964  
Ester sulfate and collagen content of articular cartilage from human being femoral heads. Convery FR, et al. *Surg Forum* 15:435-7, 1964  
Experimental peripheral nerve repair tubulation. Braun RM. *Surg Forum* 15:452-4, 1964  
Use of collagen cloth for repair of tissue defects. McBride CM, et al. *Surg Forum* 15:70-1, 1964  
Influence of thyroxine on the ribosomal synthesis of collagen. Malt RA, et al. *Surg Forum* 15:54-5, 1964  
Wound healing defect in lathyrisms. Berberian GM, et al. *Surg Forum* 15:50-2, 1964

## COLLAGEN DISEASES

Studies on the serum proteins. VI. Recent advances in clinical interpretation of electrophoretic fractionations. Sunderman FW Jr. *Amer J Clin Path* 42:1-21, Jul 64  
Lower animals, spontaneous disease, and man. Leader RW. *Arch Path (Chicago)* 78:390-404, Oct 64  
General morphology of collagen diseases. Strukov A. *Arch Path (Chicago)* 78:409-20, Oct 64  
Gastrointestinal complications of collagen diseases. Surgical implications. Couris GD, et al. *Arch Surg (Chicago)* 89:695-700, Oct 64  
Experimental lathyrisms: apparent antithesis of aging in connective tissue. Bickley H. *J Amer Geriatr Soc* 12:717-30, Aug 64  
[Diseases with autoantibodies. Clinical and experimental data] Mikol C, et al. *Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)

## COLLOIDS

Blood volume changes in patients with burns treated with either colloid or saline solutions. Davies JW. *Clin Sci* 26:429-43, Jun 64  
Colloid cyst of third ventricle. An electron microscopic study. Cox WS, et al. *J Neuropath Exp Neurol* 23:431-45, Jul 64

## COLON

Left colon total bypass for benign and malignant disease of the esophagus. May IA, et al. *Amer J Surg* 108:204-14, Aug 64  
Functional hemodynamics of the colon. Geber WF. *Angiology* 15:366-70, Aug 64  
Use and abuse of intraperitoneal drains in colon surgery. Berliner SD, et al. *Arch Surg (Chicago)* 89:686-9, Oct 64  
Adenomatous polyp of bowel following ureterocolic

anastomosis. A case report and review of the literature. Gillman JC. *Brit J Urol* 36:264-70, Jun 64  
Colonic absorption of tryptophan metabolites in man. Fordtran JS, et al. *J Lab Clin Med* 64:125-32, Jul 64  
Ammonia metabolism with variations in portal venous diversion. Foster JH, et al. *Surg Forum* 15:105-8, 1964  
Simplified technique of ileocolostomy. Shrum RC, et al. *Surg Forum* 15:299-301, 1964

## COLONIC NEOPLASMS

Fluorouracil colon-rectum adjuvant chemotherapy. Nadler SH, et al. *Arch Surg (Chicago)* 89:592-5, Oct 64  
Survival rate in obstructing carcinoma of colon. Loeffler I, et al. *Arch Surg (Chicago)* 89:716-8, Oct 64  
Some questions about adenomatous polyps. Ryan P. *Aust New Zeal J Surg* 34:59-61, Aug 64  
Adenomatous polyp of bowel following ureterocolic anastomosis. A case report and review of the literature. Gillman JC. *Brit J Urol* 36:264-70, Jun 64  
Multiple primary tumors of the intestine with massive resection and survival. Brown HW, et al. *J Int Coll Surg* 42:360-6, Oct 64  
The cancer risk in ulcerative colitis. MacDougall IP. *Lancet* 2:655-8, 20 Sep 64  
[The treatment of colonic cancers] Loygue J. *Presse Med* 72:2219-22, 19 Sep 64 (Fr)  
[Colonic tumors and mineral metabolism disorder] Schulze E. *Deutsch Med Wschr* 89:1482, 31 Jul 64 (Ger)

## COLOR BLINDNESS

Incidence of colour blindness in Indians. Mehra KS. *Brit J Ophthal* 47:485-7, Aug 63

## COLOSTRUM

Poliomyelitis antibodies in human colostrum and milk. Hodes HI, et al. *J Pediatr* 65:319-20, Aug 64

## COMA

The blood pressure in myxoedema coma. Bellau AR. *Brit J Clin Pract* 18:387-93, Jul 64  
Hypoglycaemic coma and hyperkalaemic acidosis due to alcohol intoxication. Vinke B. *Trop Geogr Med* 16:115-9, Jun 64

## COMMON BILE DUCT

Congenital cystic dilatation of the common bile duct: follow-up in three cases and discussion of pertinent features. Shields AB. *Amer J Surg* 108:142-9, Aug 64  
Choledochectasis-cholangiectasis of South-East Asia. Paul M. *Aust New Zeal J Surg* 34:50-3, Aug 64  
Transduodenal anastomosis for choledochus cyst. Rowell CE. *Aust New Zeal J Surg* 34:62-7, Aug 64  
Congenital biliary atresia. Barclay S. *Aust New Zeal J Surg* 34:24-6, Aug 64  
Experimental replacement of the common bile duct. Sherman RT, et al. *Surg Forum* 15:371-3, 1964  
Effect of cholecystokinin on the normal common duct after cholecystectomy. Blasberg G, et al. *Surg Forum* 15:375-7, 1964  
[Postoperative hemobilia] Flabeau F, et al. *Presse Med* 72:2381-4, 3 Oct 64 (Fr)

## COMMON BILE DUCT CALCULI

The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. Berci G, et al. *Amer J Surg* 108:250-6, Aug 64  
Results of surgery in the treatment of stenosis of the sphincter of Oddi. Autio V, et al. *Ann Chir Gynaec Fenn* 53:328-37, 1964  
[Opening and closure of the hepato-choledochus. A technic] Barraya L, et al. *Presse Med* 72:2537-40, 17 Oct 64 (Fr)  
[Postoperative hemobilia] Flabeau F, et al. *Presse Med* 72:2381-4, 3 Oct 64 (Fr)

## COMMUNICABLE DISEASE CONTROL

Protection against measles in West Africa. *Public Health Rep* 79:862, Oct 64

## COMMUNICABLE DISEASES

Future management of infectious diseases. Ramsay AM, et al. *Brit Med J* 5415:1004-5, 17 Oct 64  
Inclusion-bearing cells in urinary sediment in infectious diseases. Boyd JF, et al. *J Path Bact* 88:115-24, Jul 64

## COMMUNICATION

Restoration of communication in the elderly, with special reference to hemiplegic patients: interim report on program. DeBrisay AN, et al. *J Amer Geriatr Soc* 12:687-93, Jul 64



## COMPLEMENT

The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. Weimer HE, et al. *Cancer Res* 24:847-54, Jun 64  
 Hemolytic complement in synovial fluid. Pekin TJ Jr, et al. *J Clin Invest* 43:1372-82, Jul 64  
 Enhancement of vascular permeability by mixtures of C'1 esterase and normal serum. Smink RD Jr, et al. *Proc Soc Exp Biol Med* 116:280-3, Jun 64  
 [The antigen-antibody reaction of isolated tissue mast cells and the complement system] Keller R. *Int Arch Allerg* 24:Suppl:13-4, 1964 (Ger)

## COMPLEMENT FIXATION TESTS

Psittacosis complement-fixing antibodies in sera from fauna of the Great Salt Lake Desert of Utah. Sidwell RW, et al. *Amer J Trop Med* 13:591-4, Jul 64  
 Epidemic hemorrhagic fever in Bolivia. II. Demonstration of complement-fixing antibody in patients' sera with junin virus antigen. Wiebenga NH, et al. *Amer J Trop Med* 13:626-8, Jul 64  
 Virological findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand. Hammon WM, et al. *Amer J Trop Med* 13:629-41, Jul 64  
 The clinical usefulness of fungal serologic testing. Mays EE, et al. *Dis Chest* 46:205-10, Aug 64  
 Immunology and serology of *Anaplasma marginale*. I. Fractionation of the complement-fixing antigen. Rogers TE, et al. *J Bact* 88:81-6, Jul 64  
 Complement-fixation titers in experimental coccidioidomycosis in rabbits. Brosbe EA, et al. *J Bact* 88:233-41, Jul 64  
 Immunology and serology of *Anaplasma marginale*. I. Fractionation of the complement-fixing antigen. Rogers TE, et al. *J Bact* 88:81-6, Jul 64  
 Preparation of complement-fixing antigen for routine use in diagnosis of Eaton pneumonia. Jansson E. *J Clin Path* 17:458-60, Jul 64  
 Complement fixation during homograft rejection. Clark DS, et al. *Surg Forum* 15:144-6, 1964

## CONDIMENTS

Nutmeg poisoning. Rees JH. *Practitioner* 193:80-3, Jul 64

## CONDITIONING (PSYCHOLOGY)

Some factors influencing short-term food intake of the goldfish. Rozin PN, et al. *Amer J Physiol* 206:1430-6, Jun 64  
 A systematic approach to the treatment of homosexuality by conditioned aversion: preliminary report. Feldman MP, et al. *Amer J Psychiat* 121:167-71, Aug 64  
 Contribution of muscle spindle circuits to learning as suggested by training under flaxedil. Buchwald JS, et al. *Electroenceph Clin Neurophysiol* 16:582-94, Jun 64  
 Effect of conditioning stimuli upon evoked potentials in the trigeminal complex in cat. Stewart DH Jr, et al. *Surg Forum* 15:402-4, 1964

## CONGO RED

[Fatal accident after an intravenous injection of congo red] Hörstensmeyer O. *Deutsch Med Wschr* 89:1845-8, 25 Sep 64 (Ger)

## CONJUNCTIVA

Lymphadenosis. *Arch Ophthalmol* (Chicago) 72:578, Oct 64  
 Unusual foreign body in the conjunctiva. Balakrishnan E, et al. *Brit J Ophthalmol* 47:250-2, Apr 63  
 Oculosporidiosis: rhinosporidiosis of the eye. Kuriakose ET. *Brit J Ophthalmol* 47:346-9, Jun 63  
 Conjunctival pockets. Ayoub S. *Brit J Ophthalmol* 47:126, Feb 63  
 The ability of certain adrenocortical hormones to potentiate the vasoconstrictor action of nor-adrenaline on the conjunctival vessels in the rabbits and in man. Lepri G, et al. *Brit J Ophthalmol* 48:205-8, Apr 64  
 Cyst of duct of Krause's gland. Mortada A. *Brit J Ophthalmol* 47:375-9, Jun 63

## CONJUNCTIVITIS

Conjunctival pockets. Ayoub S. *Brit J Ophthalmol* 47:126, Feb 63

## CONNECTIVE TISSUE

Accumulation of iron in subcutaneous sponge implants in normal and lathyratic rats. Dasler W, et al. *Metabolism* 13:579-82, Jun 64  
 Calciphylaxis and the calcification of ivalon sponge implants. Armstrong RG. *Surg Forum* 15:64-5, 1964  
 The role of host connective tissue in controlling local tumor invasion. Madden RE, et al. *Surg Forum* 15:340-2, 1964

## CONSANGUINITY

Some observations of renal tubular acidosis--a family study. Seedat YK. *S Afr Med J* 38:606-10, 15 Aug 64  
 [Hypothesis of chromosomal translocation as a genetic interpretation of Fanconi's familial constitutional pannyelopathy] Fanconi G. *Helv Paediat Acta* 19:29-33, Jun 64 (Ger)

## CONTACT LENSES

Traumatic fracture of plastic contact lenses. Brown DV. *Arch Ophthalmol* (Chicago) 72:319-22, Sep 64  
 Corneal sensitivity and contact lenses. Schirmer KE. *Brit J Ophthalmol* 47:493-5, Aug 63

## CONTRACEPTION

Biological aspects of social problems. *Lancet* 2:856-8, 17 Oct 64

## CONTRACEPTIVES, ORAL

Eight years' experience with oral contraception and an analysis of use of low-dosage norethisterone. Tyler ET. *Brit Med J* 5413:843-7, 3 Oct 64  
 Oral contraceptives and breast cancer. Stoll BA. *Brit Med J* 5413:875, 3 Oct 64  
 Oral contraceptives and liver damage. Rice-Wray E. *Brit Med J* 5415:1011, 17 Oct 64  
 Liver function after long-term progestational treatment with and without oestrogen. Linthorst G. *Brit Med J* 5414:920-1, 10 Oct 64  
 The "pill" and thrombosis. *Brit Med J* 541:1089700, 31 Oct 64  
 Oral contraceptives and liver damage. Adlercreutz H. *Brit Med J* 5417:1133, 31 Oct 64  
 A psychiatric evaluation of the use of oral contraceptives. A study of 250 private patients. Zell JR, et al. *Obstet Gynec* 23:657-61, May 64  
 Ethynyl estradiol: a potent orally active contraceptive in rats. Watnick AS, et al. *Proc Soc Exp Biol Med* 116:343-7, Jun 64

## CONTRACTURE

Studies on wound contraction. Phillips JL, et al. *Surg Forum* 15:56-8, 1964

## CONTRAST MEDIA

Isotope nephrography with 131-I "hippuran". I. Technique and experience in various medical renal diseases. Krogsgaard AR, et al. *Acta Med Scand* 176:17-29, Jul 64  
 Isotope nephrography with 131-I "hippuran". II. Experience in arterial hypertension with a particular view to renal artery stenosis. Friis T, et al. *Acta Med Scand* 176:31-43, Jul 64  
 A new contrast medium: sodium iothalamate. A clinical evaluation in 135 cases. Mudd JG, et al. *Angiology* 15:350-2, Aug 64  
 Comments on the use of intraspinal phenol-pantopaque for relief of pain and spasticity. Lourie H, et al. *J Neurosurg* 20:60-3, Jan 63  
 An experimental evaluation of the effects of subarachnoid injection of phenol-pantopaque in cats: a histological study. Stewart WA, et al. *J Neurosurg* 20:64-72, Jan 63  
 Correlation of renal clearance techniques in dogs: para-aminohippuric acid compared with radio-iodinated hippuran. Greenlaw RH, et al. *J Nucl Med* 5:453-61, Jun 64  
 Severe pulmonary hypertensive episodes following angiocardiology with sodium metrizoate. Watson H. *Lancet* 2:732-3, 3 Oct 64  
 Pulmonary hypertension following angiocardiology with sodium metrizoate. Coleman EN, et al. *Lancet* 2:913-4, 24 Oct 64  
 Pulmonary hypertension following angiocardiology with sodium metrizoate. De Bono AH. *Lancet* 2:860-1, 17 Oct 64  
 A new method for the roentgenologic opacification of the pancreas. Kisseler B, et al. *Radiology* 83:6-11, Jul 64  
 Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schencker B. *Radiology* 83:12-21, Jul 64  
 Emulsified pantopaque for cerebral ventriculography. Markesbery W, et al. *Surg Forum* 15:419-21, 1964  
 The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64  
 A radiographic evaluation of angiographic contrast media. Twigg HL, et al. *Vasc Dis* 1:54-7, Jan 64  
 The clinical safety of angiographic media. Maxted W. *Vasc Dis* 1:58-63, Jan 64  
 Cerebral angiography. A brief outline of its history and experiences with conray, a new contrast medium. Smolik ED, et al. *Vasc Dis* 1:21-8, Jan 64  
 [Studies on the suitability of triiodized roentgen contrast media for cerebral angiography] Alexander K, et al. *Angiologica* (Basel) 1:213-26, 1964 (Ger)

## CONVALESCENCE

Early discharge of maternity patients. Russell CS. *Brit Med J* 5418:1196-7, 7 Nov 64  
 Effects of early discharge after hospital confinement. McEwan ED. *Lancet* 2:744-5, 3 Oct 64  
 "The normal puerperium in ten days". Rhodes P. *Lancet* 2:746-7, 3 Oct 64

## CONVULSIONS

Respiratory gas studies with ether convulsion. Waun J, et al. *Anesthesiology* 25:580-1, Jul-Aug 64  
 Cortical alterations due to methionine sulfoximine. Ultrastructure during seizure activity. Harris B. *Arch Neurol* (Chicago) 11:388-407, Oct 64  
 Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. Kong Y, et al. *Circulation* 30:109-13, Jul 64  
 Studies on the supracallosal mesial cortex of unanesthetized, conscious mammals. II. Monkey. D. vertex sharp waves and epileptiform activity. Hughes JR, et al. *Electroenceph Clin Neurophysiol* 16:561-74, Jun 64  
 Electrocardiographic alterations observed during fractional pneumoencephalography. Davie JC. *J Neurosurg* 20:321-8, Apr 63  
 Suppression of epileptic movements in the presence of grand mal seizure discharges. Lindstrom PA, et al. *J Neurosurg* 20:97-104, Feb 63  
 Effect of epinephrine and norepinephrine on excitability of central nervous system of mice. Swinyard EA, et al. *J Pharmacol Exp Ther* 144:52-9, Apr 64  
 CNS disorder during mechanical ventilation in chronic pulmonary disease. Rotheram EB Jr, et al. *JAMA* 189:993-6, 28 Sep 64

## COOMBS' TEST

Enhancement of Mycoplasma agglutination titers by use of anti-globulin. Adler HE, et al. *Proc Soc Exp Biol Med* 116:608-10, Jul 64

## COPPER

Toxicity of copper compounds to the snail vector hosts of the agent of Schistosoma dermatitis, in waters of differing hardness. Howard TE, et al. *Amer J Hyg* 80:33-44, Jul 64  
 Tissue copper proteins in Wilson's disease. Intracellular distribution and chromatographic fractionation. Porter H. *Arch Neurol* (Chicago) 11:341-9, Oct 64  
 Structural changes of liver cells in copper intoxication. Barka T, et al. *Arch Path* (Chicago) 78:331-49, Oct 64  
 Endogenous copper clearance in Wilson's disease: a study of the mode of action of penicillamine. Walshe JM. *Clin Sci* 26:461-9, Jun 64  
 Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64

## CORNEA

Corneal lesions produced in rabbits by an extract of *Fusarium moniliforme*. Dudley MA, et al. *Arch Ophthalmol* (Chicago) 72:346-50, Sep 64  
 Electron microscopic studies on the human corneal epithelium: dendritic cells. Segawa K. *Arch Ophthalmol* (Chicago) 72:850-9, Nov 64  
 Removal of corneoscleral sutures: new technique. Shukla BR, et al. *Arch Ophthalmol* (Chicago) 72:645-6, Nov 64  
 Corneal wound healing. II. An autoradiographic study of the cellular components. Robb RM, et al. *Arch Ophthalmol* (Chicago) 72:401-8, Sep 64  
 Correction of ametropia with intracorneal lenses. An experimental study. Belau PG, et al. *Arch Ophthalmol* (Chicago) 72:541-7, Oct 64  
 Effect of ouabain on active transport of sodium in the cornea. Lambert B, et al. *Arch Ophthalmol* (Chicago) 72:525-8, Oct 64  
 Corneal toxicity of cytosine arabinoside. Kaufman HE, et al. *Arch Ophthalmol* (Chicago) 72:535-40, Oct 64  
 Use of dimethyl sulphoxide for preserving corneal tissue. Platts S, et al. *Brit J Ophthalmol* 47:334-8, Jun 63  
 Corneal sensitivity and contact lenses. Schirmer KE. *Brit J Ophthalmol* 47:493-5, Aug 63  
 Assessment of corneal sensitivity. Schirmer KE. *Brit J Ophthalmol* 47:488-92, Aug 63  
 Hyperbaric oxygen and corneal neovascularisation. Henkind P. *Lancet* 2:836-8, 17 Oct 64

## CORNEAL OPACITY

Dermatological and ophthalmological changes associated with prolonged chlorpromazine therapy. Feldman PE, et al. *Amer J Psychiat* 121:187-8, Aug 64  
 Keratitis linearis migrans. Wright MH. *Brit J Ophthalmol* 47:504-6, Aug 63  
 Congenital trigeminal anaesthesia. Hewson EG. *Brit J Ophthalmol* 47:308-11, May 63  
 Corneal opacity after partial lamellar keratectomy. Mortada A. *Brit J Ophthalmol* 47:45-9, Jan 63



Rectangular autogenous lamellar keratoplasty.  
Mortada A. *Brit J Ophthalmol* 47:232-6, Apr 63  
The value and dangers of antimalarial therapy in  
arthritis with special relation to ophthalmic  
complications. Kersley GD.  
*Proc Roy Soc Med* 57:669-71, Aug 64

## CORNEAL TRANSPLANTATION

Techniques for full-thickness keratoplasty in rabbits  
using fresh and frozen corneal tissue. Mueller FO.  
*Brit J Ophthalmol* 48:377-93, Jul 64  
Keratoplasty. A method using track sutures and the  
operating microscope. Sanders N.  
*Brit J Ophthalmol* 47:149-52, Mar 63  
Intralamellar heterografts of frog cornea into rabbit  
cornea. Agarwal LP, et al.  
*Brit J Ophthalmol* 47:14-30, Jan 63  
Rectangular autogenous lamellar keratoplasty.  
Mortada A. *Brit J Ophthalmol* 47:232-6, Apr 63  
Keratoplasty in the keratitis of leprosy. Jones RF.  
*Brit J Ophthalmol* 47:248-9, Apr 63

## CORNEAL ULCER

Corneal lesions produced in rabbits by an extract of  
*Fusarium moniliforme*. Dudley MA, et al.  
*Arch Ophthalmol* (Chicago) 72:346-50, Sep 64  
A comparison of IDU solution, IDU ointment, and  
carbolicization in the treatment of dendritic corneal  
ulcer. Mackenzie AD. *Brit J Ophthalmol* 48:274-6, May 64  
An unusual Mooren's ulcer. Dugmore W.  
*Brit J Ophthalmol* 47:365-8, Jun 63  
Mycotic corneal ulcers. Agarwal LP, et al.  
*Brit J Ophthalmol* 47:109-15, Feb 63  
Lipidproteinosis (Urbach-Wiethe syndrome). Hewson  
GE. *Brit J Ophthalmol* 47:242-5, Apr 63

## CORONARY DISEASE

The mortality rate from heart disease. Campbell M.  
*Amer Heart J* 68:1-2, Jul 64  
Atherosclerosis in different parts of the arterial  
system. Bjurulf P. *Amer Heart J* 68:41-50, Jul 64  
On sudden death. Pruitt RD.  
*Amer Heart J* 68:111-8, Jul 64  
Hypertension and coronary disease. Osborn GR.  
*Amer Heart J* 68:135-7, Jul 64  
Fatty acid composition of adipose tissue in normal and  
abnormal subjects. Herrernan AG.  
*Amer J Clin Nutr* 15:5-10, Jul 64  
Low incidence of coronary thrombosis in myocardial  
infarction. A restudy by serial block technique.  
Ehrlich JC, et al.  
*Arch Pathol* (Chicago) 78:432-45, Oct 64  
Paradoxical embolism. Corrin B.  
*Brit Heart J* 26:549-53, Jul 64  
Embollic complications of cardiomyopathy. Cosnett JE,  
et al. *Brit Heart J* 26:544-8, Jul 64  
Work after a "coronary". *Brit Med J* 5413:874, 3 Oct 64  
A clinical study of ethchlorvynol in cardiac patients.  
Blinder S. *Curr Ther Res* 8:373-6, May 64  
The natural history of coronary atherosclerosis. Mathur  
KS, et al. *Dis Chest* 46:70-7, Jul 64  
The neurogenic metabolic factor in ischemic heart  
disease. Raab W. *Dis Chest* 46:150-7, Aug 64  
The synergism of x-irradiation and cholesterol-fat  
feeding on the development of coronary artery  
lesions. Amromin GD, et al.  
*J Atheroscler Res* 4:325-34, Jul-Aug 64  
Cardiovascular disease in the Masai. Mann GV, et al.  
*J Atheroscler Res* 4:289-312, Jul-Aug 64  
Spontaneous "atheroma" in sheep. Roser BJ, et al.  
*J Pathol Bact* 88:73-8, Jul 64  
Monitored and post-exercise two-step test. Master AM,  
et al. *JAMA* 190:494-500, 9 Nov 64  
Coronary thrombosis in myocardial infarction.  
*JAMA* 190:237, 19 Sep 64  
Mortality and morbidity in surgical patients with  
coronary artery disease. Arkins R, et al.  
*JAMA* 190:485-8, 9 Nov 64  
Case records of the Massachusetts General Hospital.  
Case 55-1964. *New Eng J Med* 271:1061-6, 12 Nov 64  
Hypertensive heart disease. Fleming PR.  
*Practitioner* 193:27-34, Jul 64  
The use of coronary angiography in clinical  
investigation. Werko L, et al.  
*Proc Roy Soc Med* 57:664-7, Aug 64  
Regional oxygenation of the ischemic myocardium with  
hydrogen peroxide. Urschel HC, et al.  
*Surg Forum* 15:273-4, 1964  
Coronary angiography. Gensini GG, et al.  
*Vasc Dis* 1:34-44, Jan 64  
Diagnostic cineangiocardiology. Rowe GG, et al.  
*Vasc Dis* 1:45-53, Jan 64

## CORONARY VESSELS

Myocardial blood flow after experimental pulmonary  
embolism in the intact dog. Guzman SV, et al.  
*Amer Heart J* 68:66-70, Jul 64  
Hemodynamic responses to induced tachycardia in  
methylene blue-treated dogs. Afonso S, et al.  
*Amer J Physiol* 206:1279-80, Jun 64

Low incidence of coronary thrombosis in myocardial  
infarction. A restudy by serial block technique.  
Ehrlich JC, et al.  
*Arch Pathol* (Chicago) 78:432-45, Oct 64  
Measurement of myocardial blood flow in animals and  
man by selective injection of radioactive inert gas  
into the coronary arteries. Ross RS, et al.  
*Circ Res* 15:28-41, Jul 64  
Influence of a pyrimidopyrimidine derivative on  
deamination of adenosine by blood. Bunag RD, et al.  
*Circ Res* 15:83-8, Jul 64  
Simplified technique for chronic catheterization of  
blood vessels. Herd JA, et al.  
*J Appl Physiol* 19:791-2, Jul 64  
The chronotropic action of tyramine studied by direct  
perfusion of the sinus node through its artery. James  
TN, et al. *J Pharmacol Exp Ther* 144:83-8, Apr 64  
The use of coronary angiography in clinical  
investigation. Werko L, et al.  
*Proc Roy Soc Med* 57:664-7, Aug 64  
Cardiac hypothermia versus coronary perfusion during  
aortic occlusion. Austen WG.  
*Surg Forum* 15:206-8, 1964  
Coronary artery perfusion. Winfrey EW 3d, et al.  
*Surg Forum* 15:271-2, 1964

## CORPUS CALLOSUM

Mesial cerebral incision. Baldwin M, et al.  
*J Neurosurg* 20:679-86, Aug 63

## CORPUS LUTEUM

Serotonin suppression of luteinization in  
gonadotrophin-treated, immature rats. O'Steen WK.  
*Endocrinology* 74:885-8, Jun 64

## CORTICOSTERONE

Corticosterone half-life in children. Hughes ER, et al.  
*Amer J Dis Child* 108:366-71, Oct 64  
Differential plasma corticosterone response to stress  
in four inbred strains of mice. Levine S, et al.  
*Endocrinology* 75:142-4, Jul 64  
Influence of calcium ions and freezing upon the  
conversion of cholesterol-7- $\alpha$ -3H to  
corticosterone-3H by homogenate of rat adrenal. Hall  
PF, et al. *Endocrinology* 75:135-7, Jul 64  
Stimulation of spontaneous secondary  
hyperaldosteronism by intravenous infusion of  
angiotensin II in dogs with an arteriovenous fistula.  
Urhart J, et al. *J Clin Invest* 43:1355-66, Jul 64  
Interchangeability of adrenocortical hormones in  
initiating mammary secretion in vitro. Rivera EM.  
*Proc Soc Exp Biol Med* 118:568-72, Jul 64

## CORTICOTROPIN

The origin of urinary dehydroepiandrosterone in boars.  
Huls in't Veld LG, et al.  
*Acta Endocr* (Kopenhagen) 46:185-96, Jun 64  
A screening test for long-acting corticotrophin  
preparations. Rerup C, et al.  
*Acta Endocr* (Kopenhagen) 46:279-84, Jun 64  
Cushing's syndrome with atypical biochemical results.  
Harden RM, et al.  
*Acta Endocr* (Kopenhagen) 46:256-64, Jun 64  
Influence of anterior pituitary on avoidance learning  
and escape behavior. De Wied D.  
*Amer J Physiol* 207:255-9, Jul 64  
Effect of ACTH on total adrenal cholesterol in  
bursectomized chicks. Sato K, et al.  
*Amer J Physiol* 207:47-9, Jul 64  
Papillitis complicated by central retinal artery  
occlusion. Abrams JD. *Brit J Ophthalmol* 47:53, Jan 63  
Pathways by which traumatic stress and ether induce  
increased ACTH released in the rat. Matsuda K, et al.  
*Endocrinology* 74:981-5, Jun 64  
Restoration of the ability of rat pituitary  
homotransplants to secrete ACTH if placed under the  
hypothalamic median eminence. Matsuda K, et al.  
*Endocrinology* 74:939-43, Jun 64  
ACTH release in vivo and in vitro: extrapituitary  
mediation during Esch. coli bacteremia. Ando S, et al.  
*Endocrinology* 74:894-901, Jun 64  
Characterization by immunofluorescence of an  
ACTH-like substance in nonpituitary tumors from  
patients with hyperadrenocorticism. Jarett L, et al.  
*J Clin Endocr* 24:543-9, Jun 64  
The effect of various anti-inflammatory drugs on the  
accumulation of leucocytes in the peritoneal cavity of  
mice. Northover BJ. *J Pathol Bact* 88:332-5, Jul 64  
The response of plasma human growth hormone to  
insulin and ethanol-induced hypoglycemia in two  
patients with "isolated adrenocorticotrophic defect".  
Arky RA, et al. *Metabolism* 13:547-50, Jun 64  
Varieties of adrenal hyperplasia in children. Barratt  
TM, et al. *Proc Roy Soc Med* 57:527-9, Jun 64

## CORTICOTROPIN, THERAPEUTIC

Effect of corticosteroids on urinary 5- $\beta$  and 5- $\alpha$   
C19 steroids in man. Wilson H, et al.  
*Acta Endocr* (Kopenhagen) 46:197-206, Jun 64

Preoperative hormonal treatment in cases of cerebral  
tumor. Bernard-Well E, et al.  
*J Neurosurg* 20:841-8, Oct 63  
[Hormone therapy of cerebral edema in  
cerebrovascular accidents] Façon E, et al.  
*Presse Med* 72:2377-9, 3 Oct 64 (Fr)  
[Studies with natural and synthetic ACTH in subjects  
allergic to ACTH. Clinical studies] Maeder E.  
*Int Arch Allerg* 24:Suppl:27-8, 1964 (Ger)  
[Immunological studies with natural and synthetic  
ACTH in subjects allergic to ACTH] Schwarz-Speck  
M, et al. *Int Arch Allerg* 24:Suppl:29-47, 1964 (Ger)

## CORTISONE

Influence of anterior pituitary on avoidance learning  
and escape behavior. De Wied D.  
*Amer J Physiol* 207:255-9, Jul 64  
Hormonal effects on metabolism and distribution of  
plasma albumin in the dog. Takeda Y.  
*Amer J Physiol* 206:1229-36, Jun 64  
Hormonal effects on distribution and excretion of  
iodide I-131 in the dog. Takeda Y.  
*Amer J Physiol* 206:1237-43, Jun 64  
Effect of high doses of cortisone on bone marrow cell  
proliferation in the Syrian hamster. Cardinali G, et al.  
*Cancer Res* 24:969-72, Jul 64  
Corticosteroid action on the fetal thymus and spleen.  
Angervall L, et al. *Endocrinology* 74:986-9, Jun 64  
Attempts at growth of *Mycobacterium leprae* in  
footpads of mice and guinea-pigs. Kirchheimer WF.  
*Int J Leprosy* 32:9-17, Jan-Mar 64  
Experimental candidiasis in cortisone-treated mice.  
Cantrell HF, et al. *J Bact* 87:1532, Jun 64  
Cushing's syndrome with "normal" replacement dose  
of cortisone in pituitary hypothyroidism. Parfitt AM.  
*J Clin Endocr* 24:560-2, Jun 64  
Effect of cortisone, amputation, and food restriction on  
growth of rat maxillary incisors. Wellband WA, et al.  
*Proc Soc Exp Biol Med* 116:718-20, Jul 64  
Comparison of anti-granuloma, thymolytic and  
glucocorticoid activities of anti-inflammatory  
steroids. Lerner LJ, et al.  
*Proc Soc Exp Biol Med* 116:385-8, Jun 64  
Measurement of steroid-induced hepatic functional  
derangement with the ammonia tolerance test.  
Anderson MC, et al. *Surg Forum* 15:103-5, 1964

## CORTISONE, THERAPEUTIC

[Hormone therapy of cerebral edema in  
cerebrovascular accidents] Façon E, et al.  
*Presse Med* 72:2377-9, 3 Oct 64 (Fr)

## CORTISONE TOXICOLOGY

Effect of mononuclear cell depletion by cortisone on  
hypersensitivity of leukocytes from tuberculous  
guinea pigs to PPD. Johnson RW, et al.  
*Amer Rev Resp Dis* 90:231-42, Aug 64

## CORYNEBACTERIUM

Study of antibody levels to *Corynebacterium acnes*. In  
the serum of patients with acne vulgaris, using  
bacterial agglutination, agar gel immunodiffusion,  
and immunofluorescence techniques. Puhvel SM, et  
al. *Arch Derm* (Chicago) 90:421-7, Oct 64

## COSMETICS

Cosmetics and the dermatologist. Hair colourings. I.  
Thorne N. *Brit J Clin Pract* 18:427-30 concl, Jul 64  
Evolution of cosmetics. Jerome JB.  
*J Int Coll Surg* 42:444-50, Oct 64

## COTTON

Byssinosis: antibody to cotton antigens in normal  
subjects and in cotton card-room workers. Massoud  
A, et al. *Lancet* 2:607-10, 19 Sep 64

## COTTONSEED

All-vegetable protein mixtures for human feeding. XV.  
Studies in dogs on the absorption of gassypol from  
cottonseed flour-containing vegetable protein  
mixtures. Bressani R, et al. *J Nutr* 83:209-17, Jul 64

## COUGH

A cough-belt to prevent and treat postoperative  
pulmonary complications. Barlow D.  
*Lancet* 2:736, 3 Oct 64

## COXSACKIE VIRUSES

Oxidative inactivation of different types of  
enterovirus. Lund E. *Amer J Hyg* 80:1-10, Jul 64  
Identification of Thai C-18 virus as a member of the  
coxsackie virus A20 subgroup. Behbehani AM, et al.  
*Proc Soc Exp Biol Med* 116:661-2, Jul 64



## CRANIAL NERVES

Cancer of the nasopharynx. Lederman M.  
Proc Roy Soc Med 57:740-2, Aug 64

## CRANIOFACIAL DYSOSTOSIS

Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. Nath K, et al. Brit J Ophthalmol 48:162-4, Mar 64

## CRANIOPHARYNGIOMA

Cushing's syndrome with "normal" replacement dose of cortisone in pituitary hypothyroidism. Parfitt AM. J Clin Endocr 24:560-2, Jun 64  
Recurrent cystic formation in craniopharyngioma treated with radioactive chromic phosphate. Case report. Overton MC 3d, et al. J Neurosurg 20:707-10, Aug 63  
Clinical implications of adiposa. Skultety FM, et al. J Neurosurg 20:793-800, Sep 63  
Relative diagnostic value of air study and angiography in suprasellar masses. Bakay L, et al. J Neurosurg 20:729-39, Sep 63  
Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. Abraham J, et al. J Neurosurg 20:252-3, Mar 63  
Cryogenic freezing of brain tumors for excision or destruction in situ. Cooper IS, et al. J Neurosurg 20:921-30, Nov 63

## CRANIOTOMY

Experimental postoperative cerebral edema. Mann FD, et al. J Neurosurg 20:687-91, Aug 63  
Neurosurgical classic. XIV. Wilkins RH. J Neurosurg 20:1090-9, Dec 63  
Burr-hole buttons for fixation of craniotomy bone. Todd EM, et al. J Neurosurg 20:448-9, May 63  
Neurosurgical classic. V. Wilkins RH. J Neurosurg 20:267-70 contd, Mar 63  
Neurosurgical classic. 13. Wilkins RH. J Neurosurg 20:1009-22, Nov 63

## C-REACTIVE PROTEIN

Pulmonary aspergillosis: diagnostic and immunological significance of antigens and C-substance in Aspergillus fumigatus. Longbottom JL, et al. J Path Bact 88:141-51, Jul 64

## CREATINE AND CREATININE

Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. Eisalo A, et al. Ann Chir Gynaec Fenn 53:389-93, 1964  
Studies on magnesium in ruminant nutrition. 5. The indirect determination of the intake of magnesium, calcium and potassium by the grazing cow. Field AC. Brit J Nutr 18:357-68, 1964  
Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. J Clin Endocr 24:517-27, Jun 64  
Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. J Nutr 83:193-201, Jul 64  
Endogenous-creatinine clearance and glomerular-filtration rate. Berlyne GM, et al. Lancet 2:874-6, 24 Oct 64  
Biopotency of l-alpha-tocopheryl acetate for the rat. Witting LA, et al. Proc Soc Exp Biol Med 116:655-8, Jul 64

## CREATINE KINASE

Influence of hypothermia and anoxia upon the biochemistry of heart muscle. Passanti GT, et al. Surg Forum 15:210-2, 1964

## CREATIVENESS

Plagiarism and identification. Meerloo JA. Arch Gen Psychiat (Chicago) 11:421-4, Oct 64

## CRIMINAL PSYCHOLOGY

Plagiarism and identification. Meerloo JA. Arch Gen Psychiat (Chicago) 11:421-4, Oct 64

## CROSS INFECTION

Staphylococcal wound infection complicating orthopaedic operations. Ráf L. Acta Orthop Scand 34:289-98, 1964  
Hospital infection with Pseudomonas pyocyanea. Brit Med J 5416:1019-20, 24 Oct 64  
Isolators. Brit Med J 5413:835-6, 3 Oct 64  
The care of the umbilical stump in relation to cross infection in maternity units. Henderson RJ, et al. J Obstet Gynaec Brit Comm 71:443-8, Jun 64

Methicillin spray and staphylococcal carriage in a neonatal unit. Jacobs J, et al. J Obstet Gynaec Brit Comm 71:543-55, Aug 64  
Hospital-acquired infections and antibiotic usage in the Boston City Hospital-January, 1964. Kisiak JW, et al. New Eng J Med 271:834-5, 15 Oct 64

## CROTON OIL

Chemically induced regressing experimental epidermal tumors in mice. Frei JV. Cancer Res 24:1083-4, Jul 64

## CRUTCHES

Modified axillary crutch. Chacko P. Brit Med J 5416:1074, 24 Oct 64

## CRYOGENIC SURGERY

Experience with local gastric cooling. Cushman WF, et al. Arch Surg (Chicago) 89:719-24, Oct 64  
Further experience with intracapsular cataract extraction by application of low temperature. Krwawiec T. Brit J Ophthalmol 47:36-8, Jan 63  
Cryogenic freezing of brain tumors for excision or destruction in situ. Cooper IS, et al. J Neurosurg 20:921-30, Nov 63  
Local hypothermia for hematemesis in a hemophiliac. Liffmann KE, et al. JAMA 190:553-4, 9 Nov 64  
Gastric freezing. Lancet 2:879-80, 20 Sep 64  
Abdominal surgery. Welch CE. New Eng J Med 271:829-33 contd, 15 Oct 64  
Influence of gastric pressure on effects of gastric freezing. Root HD, et al. Surg Forum 15:330-2, 1964  
Influence of gastric freezing on antral function. Niederhuber JE, et al. Surg Forum 15:323-5, 1964  
Gastric freezing by alcohol perfusion. Sulman D, et al. Surg Forum 15:325-7, 1964  
Patterns and mechanisms of injury following anoxia of the normothermic and hypothermic dog stomach. Marx FW Jr, et al. Surg Forum 15:328-30, 1964

## CRYPTOCOCCOSIS

Infection of white swiss mice with airborne Cryptococcus neoformans. Smith CD, et al. J Bact 87:1364-8, Jun 64

## CRYPTORCHISM

Incorporation of L-lysine-U-C14 into proteins of cryptorchid testis slices. Davis JR, et al. Amer J Physiol 207:50-4, Jul 64  
Monorchia with seminoma in a cryptorchid. An unusual case of tumour of testis. Sahi RP, et al. Brit J Urol 36:222-4, Jun 64  
Massive hernias associated with ectopic testes. Cole FR. J Int Coll Surg 42:355-7, Oct 64

## CRYSTALLOGRAPHY

Cholesterol crystals in the anterior chamber. Kumar S. Brit J Ophthalmol 47:295-9, May 63

## CULTURE

The training of the physician. Adaptation of medical education to regional needs. Brock JF. New Eng J Med 271:989-93, 5 Nov 64

## CULTURE MEDIA

Chemically defined medium for growth Streptococcus pyogenes. Mickelson MN. J Bact 88:158-64, Jul 64  
Cultivation of leptospirae. II. Growth and lysis in synthetic medium. Stalheim OH, et al. J Bact 88:55-9, Jul 64  
Cultivation of leptospirae. I. Nutrition of Leptospira canicola. Stalheim OH, et al. J Bact 88:48-54, Jul 64  
Use of a bacterial culture filtrate as an aid to the isolation and growth of anaerobic spirochetes. Hardy PH Jr, et al. J Bact 87:1521-5, Jun 64  
Defined medium for Mycoplasma laidlawii. Tourtellotte ME, et al. J Bact 88:11-5, Jul 64  
Anaerobic growth of Fusarium oxysporum. Gunner HB, et al. J Bact 87:1309-16, Jun 64  
Dependency of Treponema microdentium on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. Socransky SS, et al. J Bact 88:200-9, Jul 64  
Effect of polyamine structure on growth stimulation and spermine and spermidine content of lactic acid bacteria. Guirard BM, et al. J Bact 88:72-80, Jul 64  
Mode of inhibition of sporulation of Bacillus cereus by ethyl malonate and ethyl succinate. Kominek LA, et al. J Bact 88:263, Jul 64  
Chemically defined medium for growth Streptococcus pyogenes. Mickelson MN. J Bact 88:158-64, Jul 64  
Mode of inhibition of sporulation of Bacillus cereus by ethyl malonate and ethyl succinate. Kominek LA, et al. J Bact 88:263, Jul 64  
Use of a bacterial culture filtrate as an aid to the

isolation and growth of anaerobic spirochetes. Hardy PH Jr, et al. J Bact 87:1521-5, Jun 64  
Dependency of Treponema microdentium on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. Socransky SS, et al. J Bact 88:200-9, Jul 64  
Anaerobic growth of Fusarium oxysporum. Gunner HB, et al. J Bact 87:1309-16, Jun 64  
Effect of polyamine structure on growth stimulation and spermine and spermidine content of lactic acid bacteria. Guirard BM, et al. J Bact 88:72-80, Jul 64  
Cultivation of leptospirae. I. Nutrition of Leptospira canicola. Stalheim OH, et al. J Bact 88:48-54, Jul 64  
Cultivation of leptospirae. II. Growth and lysis in synthetic medium. Stalheim OH, et al. J Bact 88:55-9, Jul 64  
Defined medium for Mycoplasma laidlawii. Tourtellotte ME, et al. J Bact 88:11-5, Jul 64  
The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. Dzawachiszwilli N, et al. J Invest Derm 43:103-9, Aug 64  
Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. Horn MJ, et al. J Nutr 83:267-72, Jul 64  
Serum albumin supplemented medium for long term cultivation of mammalian fibroblast strains. Todaro GJ, et al. Proc Soc Exp Biol Med 116:688-92, Jul 64  
Behavior of human glioma cells in cerebrospinal fluid. Wilson CB, et al. Surg Forum 15:431-2, 1964

## CUSHING'S SYNDROME

Cushing's syndrome with atypical biochemical results. Harden RM, et al. Acta Endocr (Copenhagen) 46:256-64, Jun 64  
Pigmentation and Cushing's syndrome due to malignant tumor of the pancreas. Hallwright GP, et al. J Clin Endocr 24:496-500, Jun 64  
Clinical, morphological and biochemical studies on a malignant testicular tumor. Engel FL, et al. J Clin Endocr 24:528-42, Jun 64  
Cushing's syndrome with "normal" replacement dose of cortisone in pituitary hypothyroidism. Parfitt AM. J Clin Endocr 24:560-2, Jun 64

## CYANATES

On the reversible reaction of cyanate with sulfhydryl groups and the determination of NH<sub>2</sub>-terminal cysteine and cystine in proteins. Stark GR. J Biol Chem 239:1411-4, May 64

## CYANIDES

Na transport by isolated turtle bladder during anaerobiosis and exposure to KCN. Klahr S, et al. Amer J Physiol 206:1333-9, Jun 64  
Effects of cyanide, Qo, and dinitrophenol on renal sodium reabsorption and oxygen consumption. Fujimoto M, et al. Amer J Physiol 206:1327-32, Jun 64  
The reactivity of ferrocytochrome c with iron-binding ligands. George P, et al. J Biol Chem 239:1504-8, May 64  
Cyanide encephalopathy in man? Smith AD. Lancet 2:668-70, 20 Sep 64  
Mercuric cyanide poisoning and its treatment in dogs. Rose CL, et al. Proc Soc Exp Biol Med 116:371-3, Jun 64  
The role of host connective tissue in controlling local tumor invasion. Madden RE, et al. Surg Forum 15:340-2, 1964  
Cyanide production by Pseudomonas aeruginosa. Goldfarb WB, et al. Surg Forum 15:467-9, 1964

## CYANOSIS

Changes in bone associated with cyanotic congenital cardiac disease. Nice CM Jr, et al. Amer Heart J 68:25-31, Jul 64  
Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Wuertz RL, et al. Arch Environ Health (Chicago) 9:476-91, Oct 64  
Hemodynamic events during the development of cyanosis and heart failure in a patient with large ventricular septal defect. Bliss HA, et al. Circulation 30:101-5, Jul 64  
Two unrelated patients with congenital cyanosis due to haemoglobinopathy M. Farmer MB, et al. Lancet 2:786-9, 10 Oct 64  
Methaemoglobinemia due to prilocaine. Scott DB, et al. Lancet 2:728-9, 3 Oct 64  
Excess lactate in cyanotic dogs during hyperbaric oxygenation. Zaroff LI, et al. Surg Forum 15:202-3, 1964

## CYCLOPHOSPHAMIDE

Chemotherapy of chronic lymphocytic leukemia. Kaung DT, et al. Arch Intern Med (Chicago) 114:521-4, Oct 64  
Combination therapy with cyclophosphamide and



zymosan on a spontaneous mammary cancer in mice. Martin DS, et al. *Cancer Res* 24:652-4, May 64

Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. Rutman RJ, et al. *Cancer Res* 24:626-33, May 64

Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64

Studies with the murine leukemogenic Rauscher virus. 3. An in vivo assay for anti-viral agents. Chirigos MA. *Cancer Res* 24:1035-41, Jul 64

Observations on intralymphatic radiotherapy and general chemotherapy. Chiappa S, et al. *Clin Radiol* 15:202-9, Jul 64

Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Phillips TL, et al. *Radiology* 83:98-105, Jul 64

Whalen JP: Role of catecholamine excretion in diagnosis and treatment of neuroblastoma: report of two cases. Voorhies ML. *Radiology* 83:92-7, Jul 64

The use of endoxan in the treatment of cancer. A reply by Noristan Laboratories (PTY.) LTD. and Asta-Werke A.G. S Afr Med J 38:Suppl:1-6, 15 Aug 64

Effect of cyclophosphamide in the adrenalectomized animal. Tipton JB. *Surg Forum* 15:344-6, 1964

## CYCLOPLEGICS

Mydriasis and cycloplegia. Foggitt KD. *Brit J Ophthalmol* 47:253, Apr 63

## CYSTADENOMA, PAPILLARY

Papillary cystadenoma of lacrimal caruncle. Forbes GB, et al. *Brit J Ophthalmol* 47:177-9, Mar 63

## CYSTEAMINE

The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation. Shewell J, et al. *J Path Bact* 88:61-71, Jul 64

## CYSTEINE

Clinical experiences with acetylcysteine as a mucolytic agent. Poppe JK. *Dis Chest* 46:66-9, Jul 64

On the reversible reaction of cyanate with sulphydryl groups and the determination of NH<sub>2</sub>-terminal cysteine and cystine in proteins. Stark GR. *J Biol Chem* 239:1411-4, May 64

A mucolytic agent. Acetylcysteine (Mucomyst). *JAMA* 190:147-8, 12 Oct 64

Effects of bromobenzene on mouse tissue sulphydryl and insulin-I-131 metabolism. Beck LV, et al. *Proc Soc Exp Biol Med* 116:283-8, Jun 64

Conditions of reactivation of arthus-type inflammation by thiol compounds. Hayashi H, et al. *Proc Soc Exp Biol Med* 116:417-20, Jun 64

Intropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64

## CYSTIC DUCT

Congenital biliary atresia. Barclay S. *Aust New Zeal J Surg* 34:24-6, Aug 64

Congenital anomalies of the cystic duct. Rabinovitch J, et al. *J Int Coll Surg* 42:372-8, Oct 64

## CYSTINE

Cystine-independent thermoresistant mutants of poliovirus. Youngner JS, et al. *J Bact* 88:265-6, Jul 64

On the reversible reaction of cyanate with sulphydryl groups and the determination of NH<sub>2</sub>-terminal cysteine and cystine in proteins. Stark GR. *J Biol Chem* 239:1411-4, May 64

Pathological findings in homocystinuria. Gibson JB, et al. *J Clin Pathol* 17:427-37, Jul 64

Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64

S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64

## CYSTITIS

A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al. *J Amer Geriatr Soc* 12:771-5, Aug 64

## CYSTS

Calcifying epithelioma of Malherbe. Peterson WC Jr, et al. *Arch Derm (Chicago)* 90:404-10, Oct 64

Production of hyaluronic acid by cysts and tumors of the ciliary body. Zimmerman LE, et al. *Arch Ophthalmol (Chicago)* 72:365-79, Sep 64

Transduodenal anastomosis for choledochus cyst. Rowell CE. *Aust New Zeal J Surg* 34:62-7, Aug 64

Rectal cyst. Wilson E. *Aust New Zeal J Surg* 34:32-5, Aug 64

Histological effects of intra-testicular injections of

cadmium chloride in domestic fowl. Guthrie J. *Brit J Cancer* 18:255-60, Jun 64

Distension retinal detachment. Catford GV. *Brit J Ophthalmol* 47:266-70, May 63

Unusual complication of a chalazion. Chadwick AJ. *Brit J Ophthalmol* 47:364, Jun 63

Cyst of duct of Krause's gland. Mortada A. *Brit J Ophthalmol* 47:375-9, Jun 63

Iris cyst treated by electrolysis. Wilson W. *Brit J Ophthalmol* 48:45-9, Jan 64

Cyst of the incarcerated iris. First report of complication following cataract extraction. Nath K. *Brit J Ophthalmol* 48:50-2, Jan 64

Pyelo-urethritis cystica. Mayall GF. *Brit J Radiol* 37:567-8, Jul 64

An unusual cause of renal colic in a pseudohermaphrodite. Zielinski J, et al. *Brit J Urol* 36:254-6, Jun 64

Colloid cyst of third ventricle. An electron microscopic study. Cox WS, et al. *J Neuropath Exp Neurol* 23:431-45, Jul 64

Intraspinal enterogenous cyst. Scoville WB, et al. *J Neurosurg* 20:704-6, Aug 63

Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. De La Torre E, et al. *J Neurosurg* 20:461-70, Jun 63

Trigeminal neuralgia caused by cysticercosis of the cavum meckelii: report of two cases. Tenuto RA, et al. *J Neurosurg* 20:169-71, Feb 63

The aetiology of cysts in the skin of some families of Merino sheep in Australia. Lloyd LC. *J Path Bact* 88:219-27, Jul 64

Origin of intestinal atresia of newborn. Dickinson SJ. *JAMA* 190:119-21, 12 Oct 64

## CYTOCHROME OXIDASE

Isoproterenol-induced myocardial necrosis. A histochemical and electron microscopic study. Ferrans VJ, et al. *Amer Heart J* 68:71-90, Jul 64

Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64

Cytochrome c oxidase components. V. A cytochrome alpha preparation free of cytochrome alpha-3. Horie S, et al. *J Biol Chem* 239:1438-41, May 64

A further purification of cytochrome oxidase. Wainio WW. *J Biol Chem* 239:1402-5, May 64

Cytochrome c oxidase components. IV. Chemical distinction between cytochromes alpha- and alpha-3. Morrison M, et al. *J Biol Chem* 239:1432-7, May 64

[Histochemical enzyme studies on rat bone marrow] Ketels-Harken H. *Blut* 10:49-55, Mar 64 (Ger)

## CYTOCHROMES

Comparison of cytochromes in mycobacteria grown in vitro and in vivo. Kusaka T, et al. *J Bact* 87:1383-8, Jun 64

Cytochrome c oxidase components. V. A cytochrome alpha preparation free of cytochrome alpha-3. Horie S, et al. *J Biol Chem* 239:1438-41, May 64

Kinetic investigations of yeast L-lactate dehydrogenase (cytochrome b2). I. The dehydrogenation of L-lactate in the presence and absence of ferricyanide as electron acceptor. Morton RK, et al. *J Biol Chem* 239:1614-24, May 64

The reactivity of ferrocyclochrome c with iron-binding ligands. George P, et al. *J Biol Chem* 239:1504-8, May 64

Cytochrome c oxidase components. IV. Chemical distinction between cytochromes alpha- and alpha-3. Morrison M, et al. *J Biol Chem* 239:1432-7, May 64

Studies on carbon tetrachloride intoxication. II. Depressed amino acid incorporation into mitochondrial protein and cytochrome c. Smuckler EA, et al. *Lab Invest* 13:531-8, Jun 64

Influence of hypothermia and anoxia upon the biochemistry of heart muscle. Passanti GT, et al. *Surg Forum* 15:210-2, 1964

## CYTODIAGNOSIS

The cell-catch procedure. A new method which preserves all cellular elements of spinal-fluid samples. Simon G, et al. *J Neurosurg* 20:787-92, Sep 63

Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. Romsdahl MM, et al. *Surg Forum* 15:346-8, 1964

In vitro labeling and autoradiography of exfoliated cells in carcinoma of the human bladder. Connolly JG, et al. *Surg Forum* 15:489-90, 1964

## CYTOMEGALIC INCLUSION DISEASE

Mouse cytomegalovirus infection. 3. Attempts to produce intrauterine infections. Medearis DN Jr. *Amer J Hyg* 80:113-20, Jul 64

Mouse cytomegalovirus infection. II. Observations during prolonged infections. Medearis DN Jr. *Amer J Hyg* 80:103-12, Jul 64

## CYTOPLASM

Cytologic and cytochemical studies of neuroglia. 3. The DNA content of giant fibrous astrocytes, with implications concerning the nature of these cells. Lapham LW, et al. *J Neuropath Exp Neurol* 23:419-30, Jul 64

Inclusion-bearing cells in urinary sediment in infectious diseases. Boyd JF, et al. *J Path Bact* 88:115-24, Jul 64

Osmotic and respiratory behavior of surviving rat liver cells. Olmstead EG, et al. *Proc Soc Exp Biol Med* 116:327-31, Jun 64

## CYTOPLASMIC GRANULES

Sulfated mucopolysaccharide and basic protein in certain granules of circulating heterophils of rabbits during endotoxin-induced leukocytosis. Horn RG, et al. *Amer J Path* 44:905-19, Jun 64

Studies on the ultrastructure of the nucleoli of the Walker tumor and rat liver. Smetana K, et al. *Cancer Res* 24:537-57, May 64

Myelinic figures in lepra cells examined by phase-contrast and electron microscopy. Nishiura M, et al. *Int J Leprosy* 32:45-52, Jan-Mar 64

Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64

Pathogenesis of inflammation. I. The production of an inflammatory substance from rabbit granulocytes in vitro and its relationship to leucocyte pyrogen. Moses JM, et al. *J Exp Med* 120:57-82, 1 Jul 64

Inclusion-bearing cells in urinary sediment in infectious diseases. Boyd JF, et al. *J Path Bact* 88:115-24, Jul 64

## DACRYOCYSTITIS

Dacryocystitis in acute leukaemia. Cant JS. *Brit J Ophthalmol* 47:57-9, Jan 63

## DAIRY PRODUCTS

[The production and consumption of dairy products in South Africa] Maree PJ. *S Afr Med J* 38:640-2, 22 Aug 64 (Af)

## DARKNESS

Light-dark periodicity and the Rhesus-monkey menstrual cycle. Erikson LE. *Fertil Steril* 15:352-66, Jul-Aug 64

## DEAF-MUTISM

Electrical stimulation of eight cranial nerve. Doyle JH, et al. *Arch Otolaryng (Chicago)* 80:388-91, Oct 64

Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. Nath K, et al. *Brit J Ophthalmol* 48:162-4, Mar 64

## DEAFNESS

The ototoxicity of chloroquine phosphate. Hart CW, et al. *Arch Otolaryng (Chicago)* 80:407-12, Oct 64

Electrical stimulation of eight cranial nerve. Doyle JH, et al. *Arch Otolaryng (Chicago)* 80:388-91, Oct 64

Further observations on the pathology of presbycusis. Schuknecht HF. *Arch Otolaryng (Chicago)* 80:369-82, Oct 64

Hearing degeneration in Shaker-1 mouse. Correlation of physiological observations with behavioral responses and with cochlear anatomy. Mikaelian DO, et al. *Arch Otolaryng (Chicago)* 80:418-30, Oct 64

Hearing and related problems in childhood. Walker EA Jr. *Clin Pediatr (Phila)* 3:414-7, Jul 64

Fundamental aspects in modern treatment of the deaf child. Huizing HC. *J Laryng* 78:669-74, Jul 64

The pattern of hearing following acute otitis media. Olmsted RW, et al. *J Pediatr* 65:252-5, Aug 64

Effect of auditory stimulation of reproduction. IV. Experiments of deaf rats. Zondek B, et al. *Proc Soc Exp Biol Med* 116:636-7, Jul 64

## DEATH

Life or death by EEG. Hamlin H. *JAMA* 190:112-4, 12 Oct 64

On death and death symbolism: the Hiroshima disaster. Lifton RJ. *Psychiatry* 27:191-210, Aug 64

## DEATH, SUDDEN

On sudden death. Pruitt RD. *Amer Heart J* 68:111-8, Jul 64

[Acute hyperpyretic toxicoxis in the older infant. A contribution to the problem of sudden death in childhood] Riegel K, et al. *Deutsch Med Wschr* 89:1821-8, 25 Sep 64 (Ger)



## DECEREBRATE STATE

Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics. Martin WR, et al. *J Pharmacol Exp Ther* 144:8-11, Apr 64  
 Effect of brain removal in dogs previously subjected to pituitary stalk section. Wise BL, et al. *Proc Soc Exp Biol Med* 116:306-10, Jun 64  
 [Muscle tonus. Physiological and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al. *Presse Med* 72:2213-8 concl, 19 Sep 64 (Fr)

## DEFECATION

Functional hemodynamics of the colon. Geber WF. *Angiology* 15:366-70, Aug 64  
 Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al. *Brain* 87:233-62, Jun 64  
 Paraparesis with incontinence of bowel and bladder. A syndrome of bilateral subdural hematomas. Bortnick RJ, et al. *J Neurosurg* 20:352-3, Apr 63  
 Anal incontinence. Caldwell KP, et al. *Lancet* 2:761-2, 3 Oct 64

## DEFENSE MECHANISMS

Plagiarism and identification. Meerloo JA. *Arch Gen Psychiat* (Chicago) 11:421-4, Oct 64  
 The critical role of defense mechanisms in the outcome of chronic brain syndromes in the aged. Gericke OL, et al. *J Amer Geriatr Soc* 12:646-51, Jul 64  
 A comment on the segregated learning situation as an insulating device for the Negro child. Holland FN. *Psychiatry* 27:301-3, Aug 64  
 On the meaning of "playing crazy" in borderline children. Cain AC. *Psychiatry* 27:276-89, Aug 64  
 The social function of the career fool. Daniels AK, et al. *Psychiatry* 27:219-29, Aug 64

## DEFEROXAMINE

Desferrioxamine and acute iron poisoning. Pittman AK. *Brit Med J* 5417:1135, 31 Oct 64

## DEFICIENCY DISEASES

Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN. *Amer J Path* 44:973-81, Jun 64  
 Severe undernutrition in growing and adult animals. 12. The extremities of the long bones in pigs. Pratt CW, et al. *Brit J Nutr* 18:393-403, 1964  
 Notes on ecologic malnutrition in the New Guinea Highlands. Jelliffe DB, et al. *Clin Pediat (Phila)* 3:432-8, Jul 64  
 Growth of rats from normal dams restricted in diet in previous pregnancies. Chow BF. *J Nutr* 83:289-92, Aug 64  
 Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64  
 Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. Verdino B, et al. *J Nutr* 83:234-8, Jul 64  
 Use of Japanese quail for the study of zinc deficiency. Fox MR, et al. *Proc Soc Exp Biol Med* 116:256-9, Jun 64  
 Visual aids in a health education campaign against malnutrition. Jacobson Z. *S Afr Med J* 38:681-2, 22 Aug 64  
 Development of carcinoma of the thyroid in mice. Schaller RT Jr, et al. *Surg Forum* 15:354-5, 1964

## DEGLUTITION DISORDERS

Epidemiology of the Paterson-Kelly syndrome. Elwood PC, et al. *Lancet* 2:718-20, 3 Oct 64  
 [Preliminary clinical trials of Ro 4-61-61 in gastroenterology and proctology] Pradel E. *Presse Med* 72:2113-4, 29 Aug 64 (Fr)

## DEHYDRATION

Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN. *Amer J Path* 44:973-81, Jun 64  
 Hypoglycaemic coma and hyperkalaemic acidosis due to alcohol intoxication. Vinke B. *Trop Geogr Med* 16:115-9, Jun 64

## DEHYDROEPIANDROSTERONE

The origin of urinary dehydroepiandrosterone in boars. Huis in't Veld LG, et al. *Acta Endocr (Kobenhavn)* 46:185-98, Jun 64  
 The effect of exogenous precursors on etiocholanolone androsterone ratios in man. Kirschner MA, et al. *Acta Endocr (Kobenhavn)* 46:207-16, Jun 64  
 Antidiuretic effect of dehydroepiandrosterone. Sonka J, et al. *Lancet* 2:649-50, 19 Sep 64  
 Biosynthesis of estrogens in pregnancy: precursor role

of plasma dehydroisoandrosterone. Warren JC, et al. *Obstet Gynec* 23:689-98, May 64

## DELAYED-ACTION PREPARATIONS

Evaluation of sustained-release acetazolamide. Mestre C, et al. *Brit J Ophthalmol* 47:31-5, Jan 63

## DELIRIUM

Cyanide encephalopathy in man? Smith AD. *Lancet* 2:668-70, 20 Sep 64

## DELIVERY

Umbilical cord. Stallabrass P. *Brit Med J* 5416:1070-1, 24 Oct 64  
 Maternal and infant plasma urea at delivery. McKay E, et al. *J Obstet Gynaec Brit Comm* 71:449-52, Jun 64  
 Obstetrics in adolescents: a controlled study of deliveries by mothers 15 years of age and under. Hulka JF, et al. *Obstet Gynec* 23:678-85, May 64  
 [Delivery in a patient with artificial pacemaker in the heart] Büchner C, et al. *Deutsch Med Wschr* 89:1932-3, 9 Oct 64 (Ger)

## DELUSIONS

Theories and explanations of delusions: a review. Arthur AZ. *Amer J Psychiat* 121:105-15, Aug 64

## DEMETHYLCHLORTETRACYCLINE

Photosensitization of human cell cultures by demethylchlortetracycline. Chang TW, et al. *Proc Soc Exp Biol Med* 116:509-12, Jun 64

## DENERVATION

Return of neural responses after autotransplantation of the heart. Willman VL, et al. *Amer J Physiol* 207:187-9, Jul 64  
 Effect of third cranial nerve on intraocular pressure. Thomas RP. *Arch Ophthalmol (Chicago)* 72:529-34, Oct 64  
 Adrenergic mechanisms and the outflow of aqueous humor from the rabbit eye. Eakins KE, et al. *J Pharmacol Exp Ther* 144:60-5, Apr 64  
 Cardiac dynamics and contractility after acetyl strophanthidin in the closed chest dog. Daggett WM, et al. *Surg Forum* 15:251-3, 1964

## DENGUE

Hematologic findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand. Nelson ER, et al. *Amer J Trop Med* 13:642-9, Jul 64  
 Virological findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand. Hammon WM, et al. *Amer J Trop Med* 13:629-41, Jul 64  
 Dengue fever: a thrombocytopenic disease? Nelson ER, et al. *JAMA* 190:99-103, 12 Oct 64

## DENTAL AMALGAM

[On possibilities of sensitization by foreign bodies in the mouth] Spreng MA. *Int Arch Allerg* 24:Suppl:15-20, 1964 (Ger)

## DENTAL CARIES

Diet and dental disease. *Brit Med J* 5415:964, 17 Oct 64

## DENTAL ENAMEL

Pigmentation of the primary dentition: pathogenesis and diagnostic implications. Ball JS. *Clin Pediat (Phila)* 3:394-404, Jul 64  
 Discoloration of primary dentition after maternal tetracycline ingestion in pregnancy. Swallow JN. *Lancet* 2:611-2, 19 Sep 64

## DENTAL MATERIALS

[On possibilities of sensitization by foreign bodies in the mouth] Spreng MA. *Int Arch Allerg* 24:Suppl:15-20, 1964 (Ger)

## DENTAL PROSTHESIS

[On possibilities of sensitization by foreign bodies in the mouth] Spreng MA. *Int Arch Allerg* 24:Suppl:15-20, 1964 (Ger)

## DENTAL PULP

Tooth pulp tissue pressure and hydraulic permeability. Brown AC, et al. *Circ Res* 15:42-50, Jul 64

## DENTITION

Pigmentation of the primary dentition: pathogenesis and diagnostic implications. Ball JS. *Clin Pediat (Phila)* 3:394-404, Jul 64

## DEPERSONALIZATION

Depersonalisation. *Lancet* 2:851-2, 17 Oct 64

## DEPRESSION

Alopecia areata: an apparent relationship to psychic factors. Sandok BA. *Amer J Psychiat* 121:184-5, Aug 64  
 Psychiatric manifestations of carcinoma of the pancreas. Perlas AP, et al. *Amer J Psychiat* 121:182, Aug 64  
 Drugs for depression. *Brit Med J* 5414:941-2, 10 Oct 64  
 Modern concepts in the management of anxiety and depression in the aged and infirm. Riccitelli ML. *J Amer Geriatr Soc* 12:652-7, Jul 64  
 Specific value of drugs in psychiatric illness. Ostow M. *JAMA* 190:557-8, 9 Nov 64

## DEPTH PERCEPTION

Stereokinoradiography. I. Perception of motion and depth. Potsald MS. *New Eng J Med* 271:1048-57, 12 Nov 64

## DERMATITIS

Toxicity of copper compounds to the snail vector hosts of the agent of Schistosoma dermatitis, in waters of differing hardness. Howard TE, et al. *Amer J Hyg* 80:33-44, Jul 64  
 Autoimmune progesterone dermatitis. Cure by oophorectomy. Shelley WB, et al. *JAMA* 190:35-8, 5 Oct 64

## DERMATITIS, ATOPIC

Guanethidine and phenoxybenzamine in atopic dermatitis. A clinical trial. Verma BS, et al. *Arch Derm (Chicago)* 90:414-7, Oct 64  
 Eczema vaccinatum. Dewar WA. *Brit Med J* 5416:1071, 24 Oct 64

## DERMATITIS, CONTACT

Allergic contact sensitivity to malathion. Milby TH, et al. *Arch Environ Health (Chicago)* 9:434-7, Oct 64  
 Who will benefit from griseofulvin? Kingery FA. *JAMA* 190:149, 12 Oct 64  
 Allergic contact dermatitis. Kingery FA. *JAMA* 190:539, 9 Nov 64

## DERMATITIS MEDICAMENTOSA

Allergic contact sensitivity to malathion. Milby TH, et al. *Arch Environ Health (Chicago)* 9:434-7, Oct 64  
 Fixed eruption in deeply pigmented subjects: clinical observations on 350 patients. Browne SG. *Brit Med J* 5416:1041-4, 24 Oct 64  
 Phototoxic reaction with nalidixic acid. Zelikson AS. *JAMA* 190:556-7, 9 Nov 64

## DERMATOMYCOSIS

Subcutaneous phycomycosis. Mukerji S. *Brit Med J* 5415:1009-10, 17 Oct 64  
 Who will benefit from griseofulvin? Kingery FA. *JAMA* 190:149, 12 Oct 64

## DERMATOMYOSITIS

Gastrointestinal complications of collagen diseases. Surgical implications. Couris GD, et al. *Arch Surg (Chicago)* 89:695-700, Oct 64  
 Glutamic oxalylacetic transaminase isoenzymes in human myopathies. Kar NC, et al. *Proc Soc Exp Biol Med* 116:733-5, Jul 64

## DERMATOPHYTES

The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. Dzawachiszwill N, et al. *J Invest Derm* 43:103-9, Aug 64

## DERMOID CYST

The genesis of adenolymphoma. Azzopardi JG, et al. *J Path Bact* 88:213-8, Jul 64

## DESENSITIZATION

Observations on basophil degranulation as an indicator of antigen-antibody reaction. Friedlaender S, et al. *J Allerg* 35:381-70, Jul-Aug 64  
 Hay fever treated by repository injections. Frankland AW, et al. *Practitioner* 193:71, Jul 64  
 [Neurodermatitis: course, test results and pathogenesis] Elchenberger M. *Int Arch Allerg* 24:Suppl:56-7, 1964 (Ger)

## DESERT CLIMATE

Heat reactions of Caucasians in temperate, in hot, dry,



and in hot, humid climates. Wyndham CH, et al  
*J Appl Physiol* 19:607-12, Jul 64  
 [Adaptation of the nomads of the Western Sahara to  
 salt water. A scientific mission to Cape Yubi] Paque  
 C. *Presse Med* 72:2417-20, 3 Oct 64 (Fr)

## DESOXYCORTICOSTERONE

Effects of two mineralocorticoids on ocular tension.  
 Frenkel M, et al  
*Arch Ophthalmol* (Chicago) 72:315-8, Sep 64  
 Two important frontiers in renal physiology. Davis JO.  
*Circulation* 30:1-6, Jul 64  
 Renal response of propylthiouracil-treated rats to  
 injected mineralocorticoids. Taylor RE Jr, et al.  
*Endocrinology* 75:33-41, Jul 64  
 Some biological properties of synthetic  
 18-hydroxytestosterone. Kagawa CM, et al.  
*Endocrinology* 74:999-1000, Jun 64  
 Simulation of spontaneous secondary  
 hyperaldosteronism by intravenous infusion of  
 angiotensin II in dogs with an arteriovenous fistula.  
 Urquhart J, et al. *J Clin Invest* 43:1355-66, Jul 64  
 The effect of various anti-inflammatory drugs on the  
 accumulation of leucocytes in the peritoneal cavity of  
 mice. Northover BJ. *J Path Bact* 88:332-5, Jul 64  
 Effects of aldosterone, ouabain and  
 deoxycorticosterone on oxygen uptake of isolated  
 cardiac muscle. Levy JV, et al.  
*J Pharmacol Exp Ther* 144:104-9, Apr 64  
 Interchangeability of adrenocortical hormones in  
 initiating mammary secretion in vitro. Rivera EM.  
*Proc Soc Exp Biol Med* 116:568-72, Jul 64

## DETERGENTS

Poisonings and other health hazards associated with  
 use of detergents. Arena JM. *JAMA* 190:56-8, 5 Oct 64

## DEXAMETHASONE

Effect of corticosteroids on urinary 5-beta and 5-alpha  
 C19 steroids in man. Wilson H, et al.  
*Acta Endocr* (Kopenhagen) 46:197-206, Jun 64  
 Uptake of corticosteroids, related steroids and their  
 water soluble esters by human erythrocytes with  
 studies on the extraction, separation and estimation  
 of some of the esters. Agarwal KN, et al.  
*Acta Endocr* (Kopenhagen) 47:Suppl 93:37-52, 1964  
 Inhibition by corticosteroids of red cells lysis in vitro.  
 Agarwal KN, et al.  
*Acta Endocr* (Kopenhagen) 47:Suppl 93:3-27, 1964  
 Cushing's syndrome with atypical biochemical results.  
 Harden RM, et al.  
*Acta Endocr* (Kopenhagen) 46:256-64, Jun 64  
 The effect of steroid therapy on normal and abnormal  
 atrio-ventricular conduction. Dall JL.  
*Brit Heart J* 26:537-43, Jul 64  
 Bioassay of adrenocorticosteroids by the dog  
 eosinophil response. Tonelli G, et al.  
*Proc Soc Exp Biol Med* 116:501-6, Jun 64

## DEXTRAN

Venous oxygenation and circulatory responses to  
 oxygen inhalation in acute anemia. Murray JF.  
*Amer J Physiol* 207:228-34, Jul 64  
 The management of experimental endotoxin shock.  
 The circulatory effects of levarterenol,  
 hydrocortisone, phenoxymethylamine hydrochloride,  
 and blood volume expansion. Smith LL, et al.  
*Arch Surg* (Chicago) 89:630-6, Oct 64  
 The effects of buffered solutions of dextran upon HeLa  
 carcinoma cells. Powell AK.  
*Brit J Cancer* 18:333-41, Jun 64  
 Use of low-molecular-weight dextran in management of  
 foetal distress in labour. Jones JB.  
*Brit Med J* 5414:909-10, 10 Oct 64  
 Radioautographic evaluation of freeze-thaw buffers  
 using nucleic acid- and glycine-related synthetic  
 systems in vitro. Woolfrey BF.  
*Lab Invest* 13:581-6, Jun 64  
 Myocardial infarction treated with  
 low-molecular-weight dextran. Linden L.  
*Lancet* 2:759, 3 Oct 64  
 Effect of low molecular weight dextrans and  
 fibrinolysis on hemorrhagic shock. Schlueter TM, et  
 al. *Surg Forum* 15:32-4, 1964  
 Low molecular weight dextran and metastatic tumor.  
 Griffin WO Jr, et al. *Surg Forum* 15:338-40, 1964  
 Blood viscosity alteration following hemorrhage and  
 after volume restitution with saline, plasma,  
 dextrans, or shed blood. Hoyt RK, et al.  
*Surg Forum* 15:34-5, 1964  
 Rheology of blood-dextran mixtures. Zingg W, et al.  
*Surg Forum* 15:228-30, 1964  
 Beneficial effect of low molecular weight dextran on  
 acute ischemic limb. Kwak HH, et al.  
*Surg Forum* 15:230-1, 1964  
 Hemodynamic effects of low viscosity dextran in  
 surgical shock. Carey JS, et al.  
*Surg Forum* 15:22-4, 1964

## DEXTRO AMPHETAMINE

The role of endogenous norepinephrine in the toxicity  
 of d-amphetamine in aggregated mice. Moore KE.  
*J Pharmacol Exp Ther* 144:45-51, Apr 64

## DEXTROMORAMIDE

Addiction to dextromoramide. Thompson BA.  
*Brit Med J* 5417:1136, 31 Oct 64

## DIABETES INSIPIDUS

Diabetes mellitus and insipidus. Mosonyi L.  
*Brit Med J* 5415:1009, 17 Oct 64  
 Treatment of diabetes insipidus: synthetic lysine  
 vasopressin nasal solution. Dingman JF, et al.  
*J Clin Endocr* 24:550-3, Jun 64  
 Clinical implications of adipia. Skultety FM, et al.  
*J Neurosurg* 20:793-800, Sep 63  
 Pituitary diabetes insipidus associated with  
 progressive urinary tract dilatation. Wheeler JS, et  
 al. *J Urol* 92:64-7, Jul 64  
 Pyelo-ileo-cystostomy in pitressin-resistant diabetes  
 insipidus. Madsen PO, et al. *J Urol* 92:68-71, Jul 64

## DIABETES MELLITUS

Fatty acid composition of adipose tissue in normal and  
 abnormal subjects. Herrerman AG.  
*Amer J Clin Nutr* 15:5-10, Jul 64  
 History of etiology of diabetes mellitus. Levine R.  
*Arch Path* (Chicago) 78:405-8, Oct 64  
 Neonatal diabetes mellitus. Kasi AM.  
*Brit Med J* 5417:1137, 31 Oct 64  
 Diabetes mellitus and insipidus. Mosonyi L.  
*Brit Med J* 5415:1009, 17 Oct 64  
 Neonatal diabetes mellitus. Kasi AM.  
*Brit Med J* 5417:1137, 31 Oct 64  
 The phagocytic activity of polymorphonuclear  
 leukocytes obtained from patients with diabetes  
 mellitus. Bybee JD, et al. *J Lab Clin Med* 64:1-13, Jul 64  
 Diabetes mellitus in patients with gouty arthritis.  
 Ishmael WK, et al. *JAMA* 190:396-8, 26 Oct 64  
 The growth-hormone-dependent sulphation factor in  
 serum of untreated diabetics. Yde H.  
*Lancet* 2:625-6, 19 Sep 64  
 The effect of glucose loads on renal uric acid excretion  
 in diabetic patients. Padova J, et al.  
*Metabolism* 13:507-12, Jun 64  
 Effect of the insulin-inhibitory albumin fraction from  
 normal and diabetic subjects on adipose tissue. Alp H,  
 et al. *Metabolism* 13:609-19, Jul 64  
 Are thyroid hormones diabetogenic? A study of  
 peripheral glucose metabolism during glucose  
 infusions in normal subjects and hyperthyroid  
 patients before and after treatment. Butterfield WJ,  
 et al. *Metabolism* 13:620-8, Jul 64  
 Case records of the Massachusetts General Hospital.  
 Case 55-1964. *New Eng J Med* 271:1061-6, 12 Nov 64  
 Comparison of disappearance from plasma of insulin  
 I-131 and of insulin-like activity. Bolinger RE, et al.  
*Proc Soc Exp Biol Med* 116:812-3, Jul 64  
 [Diabetes mellitus with normal blood sugar,  
 hypokalaemia and low serum cholesterol]  
*S Afr Med J* 38:700-4, 29 Aug 64 (Af)  
 [The importance of the baboon, hamster and sand rat in  
 experimental pathology] Ravina A.  
*Presse Med* 72:2243-4, 19 Sep 64 (Fr)  
 [Some reflections on prediabetes] Azérad E, et al.  
*Presse Med* 72:2195-9, 19 Sep 64 (Fr)  
 [Therapeutic problems posed by unstable diabetes]  
 Rambert P, et al. *Presse Med* 72:2229-31, 19 Sep 64  
 (Fr)  
 [Practical diabetic problems. I. Heredity and early  
 diagnosis] Constam GR.  
*Deutsch Med Wochr* 89:1831-2, 25 Sep 64 (Ger)  
 [Chemo-antibiotic therapy of tuberculosis in diabetics  
 and its repercussions on glucose metabolism] Filla E,  
 et al. *Minerva Med* 55:2417-22, 18 Aug 64 (It)

## DIABETES MELLITUS, JUVENILE

Association of diabetes mellitus and Friedreich's  
 ataxia. A study of two siblings. Podolsky S, et al.  
*Arch Intern Med* (Chicago) 114:533-7, Oct 64  
 Alcohol hypoglycemia. Effects of ethanol on plasma 3.  
 Glucose, ketones, and free fatty acids in "juvenile"  
 diabetics: a model for "nonketotic diabetic acidosis"?  
 Arky RA, et al.  
*Arch Intern Med* (Chicago) 114:501-7, Oct 64  
 Functional adaptation to rigorous training and exercise  
 in diabetic and nondiabetic adolescents. Larsson Y, et  
 al. *J Appl Physiol* 19:629-35, Jul 64

## DIABETIC ANGIOPATHIES

Fluorescein studies of the retinal circulation in  
 diabetics. Scott DJ, et al.  
*Brit J Ophthalmol* 47:588-9, Oct 63  
 Amputations in the diabetic outcome and survival.  
 Cameron HC, et al. *Lancet* 2:605-7, 19 Sep 64

## DIABETIC DIET

The many dimensions of diet counseling for diabetes.  
 Kaufman M. *Amer J Clin Nutr* 15:45-9, Jul 64

## DIABETIC NEPHROPATHIES

Electron microscopy of the diffuse glomerular lesion in  
 diabetes mellitus with special reference to early  
 changes. Lannigan R, et al.  
*J Path Bact* 88:255-61, Jul 64

## DIABETIC NEUROPATHIES

Pathological observations on six cases of diabetic  
 neuropathy. Greenbaum D, et al.  
*Brain* 87:201-14, Jun 64  
 Observations on the homogeneous nature and  
 pathogenesis of diabetic neuropathy. Greenbaum D.  
*Brain* 87:215-32, Jun 64  
 Diabetes and neuropathy.  
*Brit Med J* 5414:891-2, 10 Oct 64  
 Percutaneous interruption of spinal-pain tracts by  
 means of a strontium-90 needle. Mullan S, et al.  
*J Neurosurg* 20:931-9, Nov 63  
 Motor-nerve function and duration of diabetes.  
 Gregersen G. *Lancet* 2:733, 3 Oct 64

## DIABETIC RETINOPATHY

Visual prognosis of proliferating diabetic retinopathy.  
 Beetham WP. *Brit J Ophthalmol* 47:611-9, Oct 63  
 Statistical methods for examining retinopathy in  
 relation to the control of diabetes and other factors.  
 Carpenter RG, et al. *Brit J Ophthalmol* 47:590-5, Oct 63  
 Treatment of diabetic retinopathy by light-coagulation:  
 a preliminary study. Wetzig PC, et al.  
*Brit J Ophthalmol* 47:539-41, Sep 63  
 Retinopathy and diabetic control. Brown IK, et al.  
*Brit J Ophthalmol* 48:148-50, Mar 64  
 Treatment of neo-vascularization with oxygen at high  
 pressure. Winstanley J.  
*Brit J Ophthalmol* 47:524-6, Sep 63  
 Diabetic retinopathy--a challenge. Mooney AJ.  
*Brit J Ophthalmol* 47:513-20, Sep 63  
 Studies of the retinal capillaries in relation to diabetic  
 and other retinopathies. Ashton N.  
*Brit J Ophthalmol* 47:521-38, Sep 63  
 Fluorescein studies of the retinal circulation in  
 diabetics. Scott DJ, et al.  
*Brit J Ophthalmol* 47:588-9, Oct 63  
 [Action of norandrostenolone phenylpropionate in  
 diabetic retinopathy] Rouher F, et al.  
*Presse Med* 72:2211-2, 19 Sep 64 (Fr)

## DIAGNOSIS

Teaching diagnostic skills. Peterson OL.  
*New Eng J Med* 271:1046-7, 12 Nov 64  
 [How to recognize and treat hepatic glycogenosis]  
 Frezal J, et al. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)

## DIAGNOSIS, LABORATORY

Automation in clinical chemistry, with special  
 reference to the autoanalyzer. Whitby LG.  
*Brit Med J* 5414:895-9, 10 Oct 64  
 The training of the physician. Research in the  
 teaching-learning process--two experimental  
 modules. Ham TH.  
*New Eng J Med* 271:1042-6, 12 Nov 64  
 [How to recognize and treat hepatic glycogenosis]  
 Frezal J, et al. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)

## DIALYSIS

Volume changes of dialysate during peritoneal lavage  
 as determined by means of radioactive isotopes.  
 Abdel Razzak M, et al. *J Nucl Med* 5:480-3, Jun 64  
 Biological cutaneous-peritoneal conduits for  
 intermittent peritoneal dialysis. Inouye WY, et al.  
*Surg Forum* 15:490-2, 1964

## DIAPER RASH

Diaper region irritations. Pertinent facts and methods  
 of prevention. Brown CP, et al.  
*Clin Pediat (Phila)* 3:409-13, Jul 64

## DIAPHRAGM

Relative contributions of the rib cage and the  
 diaphragm to ventilation in man. Bergofsky EH.  
*J Appl Physiol* 19:698-706, Jul 64  
 Taurine excretion following drug-induced muscle  
 necrosis and x-irradiation. Goyer RA, et al.  
*Proc Soc Exp Biol Med* 116:534-6, Jun 64

## DIAPHRAGMATIC HERNIA

Oesophago-bronchial fistula complicating hiatal hernia.  
 McConchie I. *Aust New Zeal J Surg* 34:54-8, Aug 64  
 Hiatus hernia and diverticulum of the colon. Their low



incidence in Korea. Kim EH.  
*New Eng J Med* 271:764-8, 8 Oct 64  
 Use of collagen cloth for repair of tissue defects.  
 McBride CM, et al. *Surg Forum* 15:70-1, 1964

## DIARRHEA

Pancreatic adenoma with intractable diarrhea, hypokalemia, and hypercalcemia. Brown CH, et al. *JAMA* 190:30-4, 5 Oct 64  
 Disaccharide intolerance and mucoviscidosis. Desai HG. *Lancet* 2:845-6, 19 Sep 64  
 Chronic diarrhoea and the pancreas. Hillman HS. *Med J Aust* 2:296-8, 22 Aug 64  
 Diarrheal disease and health services in Latin America. Yankauer A, et al. *Public Health Rep* 79:917-23, Oct 64  
 The control of diarrhoea by dietary therapy. Rautenbach IE. *S Afr Med J* 38:686-7, 22 Aug 64  
 Effects of recirculating jejunal loops on absorption and transit after massive bowel resection in dogs. Redmond DC 2d, et al. *Surg Forum* 15:291-2, 1964

## DIARRHEA, INFANTILE

Adenovirus infection as an aetiological factor in intussusception of infants and young children. Potter CW. *J Path Bact* 88:263-74, Jul 64  
 Diarrheal disease and health services in Latin America. Yankauer A, et al. *Public Health Rep* 79:917-23, Oct 64

## DIATHERMY

Unusual explosion during electrosurgery. Carroll KJ. *Brit Med J* 5418:1178, 7 Nov 64

## DIATRIZOATE

Intravascular erythrocyte aggregation after intravenous injection of contrast media. Lindgren P, et al.  
*Acta Radiol [Diagn] (Stockholm)* 2:334-44, Jul 64  
 A comparison of renografin and hypaque for carotid arteriography. Shealy CN.  
*J Neurosurg* 20:137-8, Feb 63  
 The quantities of sodium diatrizoate in cerebral vessels during arteriography. Kutt H, et al.  
*J Neurosurg* 20:515-9, Jun 63  
 A new method for the roentgenologic opacification of the pancreas. Kisseler B, et al.  
*Radiology* 83:6-11, Jul 64  
 A radiographic evaluation of angiographic contrast media. Twigg HL, et al. *Vasc Dis* 1:54-7, Jan 64  
 The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64  
 [Studies on the suitability of triiodized roentgen contrast media for cerebral angiography] Alexander K, et al. *Angiologica (Basel)* 1:213-26, 1964 (Ger)

## DIAZEPAM

Korsakoff-like psychosis associated with benzodiazepine overdosage. Hallberg RJ, et al. *Amer J Psychiat* 121:188-9, Aug 64  
 A clinical evaluation of benzodiazepines in the management of toxemia of pregnancy. Lecart C, et al. *Curr Ther Res* 6:357-62, May 64  
 A study of methylphenidate and diazepam as possible smoking deterrents. Whitehead RW, et al. *Curr Ther Res* 6:363-7, May 64  
 Diazepam in dysmenorrhoea. McAllister D. *New Zeal Med J* 63:448-9, Jul 64

## DICHLORISOPROTERENOL

The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64

## DICROCOELIUM

An unsuccessful trial on production of parasitic pharyngitis (halzoun) in human volunteers. Azar JE. *Amer J Trop Med* 13:582-3, Jul 64

## DIENCEPHALON

Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation. Bernstein PW, et al. *J Neurosurg* 21:687-98, Aug 64

## DIET

Phosphorus metabolism in lambs fed varying phosphorus intakes. Preston RL, et al. *J Nutr* 83:369-78, Aug 64  
 The cause, prevention, and arrest of varicose veins. Dodd H. *Lancet* 2:809-11, 10 Oct 64  
 Effect of cortisone, amputation, and food restriction on growth of rat maxillary incisors. Wellband WA, et al. *Proc Soc Exp Biol Med* 116:718-20, Jul 64  
 The causes and effects of incorrect eating and the value of nutrition guidance. Rautenbach IE. *S Afr Med J* 38:677-8, 22 Aug 64

## DIET, REDUCING

The body composition of obese subjects. Studies of the effect of weight loss on the fat and lean body mass. Christian JE, et al. *Amer J Clin Nutr* 15:20-8, Jul 64  
 Treatment of "refractory obesity" with a diet of two meals per day. Seaton DA, et al. *Lancet* 2:612-4, 19 Sep 64  
 When to eat. *Lancet* 2:629-30, 19 Sep 64

## DIET, SALT-FREE

The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. Jick H, et al. *Clin Sci* 26:397-403, Jun 64  
 Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. *J Clin Endocr* 24:517-27, Jun 64  
 Diet and hypertension. Jones EW, et al. *Practitioner* 193:50-6, Jul 64  
 The sodium and potassium contents of South African foodstuffs, with special reference to low-sodium diets and potassium supplementation. Bernstein RE. *S Afr Med J* 38:673-6, 22 Aug 64

## DIET THERAPY

Studies on tyrosinosis: 1, effect of low-tyrosine and low-phenylalanine diet. Halvorsen S, et al. *Brit Med J* 5418:1171-3, 7 Nov 64  
 Diet and hypertension. Jones EW, et al. *Practitioner* 193:50-6, Jul 64  
 [How to recognize and treat hepatic glycogenosis] Frezal J, et al. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)  
 [Neurodermatitis: course, test results and pathogenesis] Elchenberger M. *Int Arch Allerg* 24:Suppl:56-7, 1964 (Ger)

## DIETARY CARBOHYDRATES

The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Platt BS, et al. *Brit J Nutr* 18:413-29, 1964  
 The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. Moore JH, et al. *Brit J Nutr* 18:431-48, 1964  
 The influence of levels of protein and starch in rations of sheep on the utilization of protein. Tagari H, et al. *Brit J Nutr* 18:333-56, 1964  
 Diet and dental disease. *Brit Med J* 5415:964, 17 Oct 64  
 Notes on ecologic malnutrition in the New Guinea Highlands. Jelliffe DB, et al. *Clin Pediat (Phila)* 3:432-8, Jul 64  
 Effects of hypophysectomy and diet on lipogenesis in adipose tissue. Goodman HM. *Endocrinology* 75:140-2, Jul 64  
 Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. Abraham S, et al. *J Nutr* 83:273-88, Jul 64  
 The role of serotonin in the digestive process. Edynak E, et al. *Surg Forum* 15:301-3, 1964

## DIETARY FATS

Influence of diet on blood serum lipids in pregnant women and newborn infants. Hansen AE, et al. *Amer J Clin Nutr* 15:11-9, Jul 64  
 Effect of controlled breakfast on serum cholesterol and triglycerides. Schilling FJ, et al. *Amer J Clin Nutr* 15:1-4, Jul 64  
 The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. Moore JH, et al. *Brit J Nutr* 18:431-48, 1964  
 The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Platt BS, et al. *Brit J Nutr* 18:413-29, 1964  
 Nutritional effects of autoxidized fats in animal diets. Beef fat in the diet of rats. Lea CH, et al. *Brit J Nutr* 18:369-84, 1964  
 To-day's drugs. Agents for lowering serum cholesterol. *Brit Med J* 5418:1181-3, 7 Nov 64  
 Effects of hypophysectomy and diet on lipogenesis in adipose tissue. Goodman HM. *Endocrinology* 75:140-2, Jul 64  
 Cardiovascular disease in the Masai. Mann GV, et al. *J Atheroscler Res* 4:289-312, Jul-Aug 64  
 The synergism of x-irradiation and cholesterol-fat feeding on the development of coronary artery lesions. Amromin GD, et al. *J Atheroscler Res* 4:325-34, Jul-Aug 64  
 Oxydative phosphorylation in aortic homogenates. Wollemann M, et al. *J Atheroscler Res* 4:367-9, Jul-Aug 64  
 Role of dietary fats in inducing hypercholesterolemia in rats. Samy TS, et al. *J Atheroscler Res* 4:356-66, Jul-Aug 64  
 Effect of linoleic acid on nutritional muscular dystrophy in the chick. Calvert CC, et al. *J Nutr* 83:307-13, Aug 64  
 Serum and aortic lipids in rabbits fed cholesterol and linoleic acid stereoisomers. Weigensberg BI, et al. *J Nutr* 83:314-24, Aug 64  
 Effect of corn oil on metabolic efficiency of energy

utilization by chicks. Carew LB Jr, et al. *J Nutr* 83:293-9, Aug 64  
 Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. Carew LB Jr, et al. *J Nutr* 83:300-6, Aug 64  
 Observations on feeding tung oil to chickens. Edwards HM Jr. *J Nutr* 83:365-8, Aug 64  
 Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. Verdino B, et al. *J Nutr* 83:234-8, Jul 64  
 Effects of dietary fats on plasma-lipid levels. Furnass SB. *Lancet* 2:689-90, 20 Sep 64  
 Effect of tolbutamide in clearing induced alimentary lipaemia after alcoholic hepatopancreatic damage. Gebbie T, et al. *Lancet* 2:661-3, 20 Sep 64  
 Effect of dietary protein level and cholesterol supplementation prior to acute starvation on serum and liver lipids in the rat. Méndez J. *Metabolism* 13:669-74, Jul 64  
 Effects of medium- and long-chain saturated triglycerides on blood and liver cholesterol of chickens and rats. Fisher H, et al. *Proc Soc Exp Biol Med* 116:278-80, Jun 64  
 The role of serotonin in the digestive process. Edynak E, et al. *Surg Forum* 15:301-3, 1964  
 Experimental primate atherogenesis. Stephenson SE Jr, et al. *Surg Forum* 15:287-8, 1964

## DIETARY PROTEINS

Influence of diet on blood serum lipids in pregnant women and newborn infants. Hansen AE, et al. *Amer J Clin Nutr* 15:11-9, Jul 64  
 Studies of the growth-promoting activity for chicks of fish solubles. Harrison GF, et al. *Brit J Nutr* 18:461-6, 1964  
 The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Platt BS, et al. *Brit J Nutr* 18:413-29, 1964  
 A microbiological method for assessing the nutritional value of proteins. 3. Further studies on the measurement of available amino acids. Ford JE. *Brit J Nutr* 18:449-60, 1964  
 Nitrogen balance studies with the milk-fed lamb. 3. Effect of different nitrogen intakes on growth and nitrogen balance. Walker DM, et al. *Brit J Nutr* 18:295-306, 1964  
 The influence of levels of protein and starch in rations of sheep on the utilization of protein. Tagari H, et al. *Brit J Nutr* 18:333-56, 1964  
 Effects of hypophysectomy and diet on lipogenesis in adipose tissue. Goodman HM. *Endocrinology* 75:140-2, Jul 64  
 Thyroxine and antithyrotic effects in the chick. Westerfeld WW, et al. *J Nutr* 83:325-31, Aug 64  
 An antithyrotic assay based upon the response of rat liver alpha-glycerolphosphate dehydrogenase. Richert DA, et al. *J Nutr* 83:332-42, Aug 64  
 Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64  
 All-vegetable protein mixtures for human feeding. XV. Studies in dogs on the absorption of gassypol from cottonseed flour-containing vegetable protein mixtures. Bressani R, et al. *J Nutr* 83:209-17, Jul 64  
 Effect of protein intake on the ribonucleic acid of liver cell sap. Munro HN, et al. *J Nutr* 83:186-92, Jul 64  
 Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64  
 Effect of dietary protein level and cholesterol supplementation prior to acute starvation on serum and liver lipids in the rat. Méndez J. *Metabolism* 13:669-74, Jul 64  
 Significance of antibodies to dietary proteins in the serums of patients with nontropical sprue. Kivel RM, et al. *New Eng J Med* 271:769-72, 8 Oct 64  
 Effect of protein nutrition on leukocyte mobilization. Gray I. *Proc Soc Exp Biol Med* 116:414-6, Jun 64  
 Metabolic adaptations in higher animals. 10. Glutamic dehydrogenase activity of rats consuming high protein diets. Wergedal JE, et al. *Proc Soc Exp Biol Med* 116:600-4, Jul 64  
 Protein value and antitryptic activity of certain pulses grown in South Africa, with special reference to the effect of heat treatment. Dreyer JJ, et al. *S Afr Med J* 38:654-8, 22 Aug 64  
 Agricultural systems and food patterns. McMartin A. *S Afr Med J* 38:625-8, 22 Aug 64  
 The effect of soil fertilization practices on the total protein and zein content of maize. Quicke GV, et al. *S Afr Med J* 38:645-8, 22 Aug 64  
 The role of serotonin in the digestive process. Edynak E, et al. *Surg Forum* 15:301-3, 1964  
 Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. Smith RB 3d, et al. *Surg Forum* 15:98-9, 1964  
 The significance of leaf vegetables, especially of cassava, in tropical nutrition. Terra GJ. *Trop Geogr Med* 16:97-108, Jun 64



## DIETETICS

The training of dietitians in South Africa. Ackerman EM. *S Afr Med J* 38:680-1, 22 Aug 64

## DIETHYLSTILBESTROL

Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. Simpson CF, et al.  
*Proc Soc Exp Biol Med* 116:334-6, Jun 64  
 Mechanism and site of action of radioactive phosphorus labeled stilbestrol on experimental hormone sensitive breast cancer. Fletcher WS, et al.  
*Surg Forum* 15:356-60, 1964

## DIGESTION

The role of serotonin in the digestive process. Edynak E, et al. *Surg Forum* 15:301-3, 1964

## DIGITALIS

The effect of total body perfusion on digitalis tolerance. Tassopoulos NM, et al.  
*Dis Chest* 46:130-7, Aug 64

## DIGITALIS GLYCOSIDES

Digitalis toxicity, calcium and pronethalol. Kottegoda SR. *Brit Med J* 5418:1202, 7 Nov 64  
 Metabolic responses to various vasoactive and cardiotonic agents in hypovolemia. Unal M, et al.  
*Surg Forum* 15:25-7, 1964

## DIGITOXIN

The modification of digitalis intoxication by excluding adrenergic influences on the heart. Erlj D, et al. *J Pharmacol Exp Ther* 144:97-103, Apr 64  
 [On a side-effect of cardiac glycosides on the viscosity of the blood] Müller HE. *Blut* 10:56-60, Mar 64 (Ger)  
 [Cardiological emergencies in childhood] Heintzen P. *Deutsch Med Wschr* 89:1477-82, 31 Jul 64 (Ger)

## DIGOXIN

Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64  
 Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. Taylor RR, et al.  
*New Eng J Med* 271:877-82, 22 Oct 64

## DIHYDROSTREPTOMYCIN

Cross-sensitivity between streptomycin and dihydrostreptomycin. Wenzel FJ, et al.  
*J Invest Derm* 43:99-101, Aug 64

## DIHYDROTACHYSTEROL

A.T. 10. Parfitt AM. *Lancet* 2:643-4, 19 Sep 64  
 Effects of parathyroid extract, calciferol, hytakerol and crystalline dihydrotachysterol on feed consumption in normal lactating rats. Djojoseobagio S, et al. *Proc Soc Exp Biol Med* 116:646-8, Jul 64  
 Calciphylaxis and the calcification of ivalon sponge implants. Armstrong RG. *Surg Forum* 15:64-5, 1964

## DIMERCAPROL

Mercaptomerin effect on p-aminohippurate transport in man and pentobarbitalized dog. Letteri JM, et al. *Amer J Physiol* 206:1379-83, Jun 64  
 Mercuric cyanide poisoning and its treatment in dogs. Rose CL, et al.  
*Proc Soc Exp Biol Med* 116:371-3, Jun 64

## DIMETHYL SULFOXIDE

Activation of the blood fibrinolytic enzyme system by platelets. Reid WO, et al.  
*Amer J Physiol* 206:1255-61, Jun 64  
 Use of dimethyl sulfoxide for preserving corneal tissue. Platts S, et al. *Brit J Ophthalmol* 47:334-8, Jun 63  
 Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic systems in vitro. Woolfrey BF.  
*Lab Invest* 13:581-6, Jun 64  
 Cryotolerance of superoxygenated human skin explants. Barner HB, et al. *Surg Forum* 15:477-8, 1964  
 Frozen skin autografts protected by dimethyl sulfoxide. Barlyn LW, et al. *Surg Forum* 15:475-7, 1964

## DIMETHYLAMINOAZOBENZENE

The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. Hawtrey AO, et al.  
*Brit J Cancer* 18:299-308, Jun 64  
 Modification of cell antigens during aminoazo dye carcinogenesis in rat liver. Baldwin RW.  
*Brit J Cancer* 18:285-98, Jun 64  
 The effects of hepatotoxic agents and of liver growth

on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. Margreth A, et al. *Cancer Res* 24:920-5, Jun 64  
 Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. *Cancer Res* 24:570-81, May 64

## DINITROPHENOLS

Effects of cyanide, Qo, and dinitrophenol on renal sodium reabsorption and oxygen consumption. Fujimoto M, et al. *Amer J Physiol* 206:1327-32, Jun 64  
 Thyroxine and antithyrotic effects in the chick. Westerfeld WW, et al. *J Nutr* 83:325-31, Aug 64

## DIPHENHYDRAMINE

Electron microscopy of hypersensitivity reactions. Intravascular antigen-antibody precipitation in acute anaphylactic shock. Sabesin SM.  
*Amer J Path* 44:889-904, Jun 64  
 Paroxysmal choreoathetosis. Associated with perinatal hypoxic encephalopathy. Rosen JA.  
*Arch Neurol (Chicago)* 11:385-7, Oct 64  
 Factors influencing renal blood flow during isolated perfusion. Belzer FO, et al. *Surg Forum* 15:222-4, 1964  
 The treatment of cerebrovascular insufficiency by intravenous procaine and antihistamine compound. Rosner S. *Vasc Dis* 1:214-5, Jul 64

## DIPHENYLHYDANTOIN

Experimental subcortical epileptiform focus. Guerrero-Figueroa R, et al.  
*Epilepsia (Amst)* 5:112-39, Jun 64  
 Cerebral deposition of drugs at low temperatures. Baldwin M, et al. *J Neurosurg* 20:637-46, Aug 63  
 Polyneuritis of pregnancy effectively managed with dilantin. Report of a case. Wolnisty C.  
*Obstet Gynec* 23:802-3, May 64  
 Toxic epidermal necrolysis. Helfman RJ.  
*Southern Med J* 57:1365-8, Nov 64

## DIPLOPIA

Monocular diplopia. Fincham EF.  
*Brit J Ophthalmol* 47:705-12, Dec 63

## DISABILITY EVALUATION

Epidemiology of disability after work injuries. Abramson JH, et al.  
*Arch Environ Health (Chicago)* 9:572-80, Nov 64  
 Evaluation of impairment of function in the hand. Swanson AB. *Surg Clin N Amer* 44:925-40, Aug 64

## DISACCHARIDES

Disaccharide intolerance and mucoviscidosis. Desai HG. *Lancet* 2:645-6, 19 Sep 64

## DISASTERS

Epidemiology in public health planning for natural disasters. Parrish HM, et al.  
*Public Health Rep* 79:863-7, Oct 64  
 Effect of the Alaska earthquake on functions of PHS Hospital. Wilson MR.  
*Public Health Rep* 79:853-61, Oct 64

## DISEASE

A genetical approach to the study of disease. Graham JB. *Lab Invest* 13:663-9, Jun 64

## DISEASES IN TWINS

Xiphopagus conjoined twins: preoperative evaluation and surgical management. Woolley MM, et al.  
*Amer J Surg* 108:277-84, Aug 64  
 Simultaneous death in schizophrenic twins. Wilson IC, et al. *Arch Gen Psychiat* (Chicago) 11:377-84, Oct 64  
 Myelomeningocele in one identical twin. Gross HP.  
*J Neurosurg* 20:439-40, May 63

## DISGERMINOMA

Prognosis of cancer of the testis. Follow-up study of 69 cases. Perttala Y.  
*Ann Chir Gynaec Fenn* 53:349-56, 1964  
 Monorchia with seminoma in a cryptorchid. An unusual case of tumour of testis. Sahl RP, et al.  
*Brit J Urol* 36:222-4, Jun 64  
 Combined tumour. Pugh RC, et al.  
*Brit J Urol* 36:Suppl:45-51, Jun 64  
 Seminoma. Thackray AC.  
*Brit J Urol* 36:Suppl:12-27, Jun 64

## DISLOCATIONS

Traumatic separation of the upper femoral epiphysis as an obstetrical lesion. Mortens J, et al.  
*Acta Orthop Scand* 34:238-50, 1964

Dislocations of the tarsometatarsal joints. Bassett FH 3d. *Southern Med J* 57:1294-302, Nov 64

## DIURESIS

Alkaline diuresis for salicylate intoxication.  
*Brit Med J* 5416:1021-2, 24 Oct 64  
 Alkaline diuresis in treatment of aspirin poisoning. Cumming G, et al. *Brit Med J* 5416:1033-6, 24 Oct 64  
 Nutritional state and the effect of acute water loading in the hypophysectomized rat. Bauman JW Jr.  
*Endocrinology* 74:1001-3, Jun 64  
 Renal response of propylthiouracil-treated rats to injected mineralocorticoids. Taylor RE Jr, et al.  
*Endocrinology* 75:33-41, Jul 64  
 Some biological properties of synthetic 18-hydroxytestosterone. Kagawa CM, et al.  
*Endocrinology* 74:999-1000, Jun 64  
 The counter current system and osmotic diuresis. Lillien OM, et al. *J Urol* 92:9-16, Jul 64  
 The alterations in glomerular filtration rate, osmolar, and free water clearance during mannitol osmotic diuresis. Murphy GP, et al. *J Urol* 92:17-24, Jul 64  
 Water retention due to oxytocin. Potter RR.  
*Obstet Gynec* 23:699-702, May 64  
 Effect of vagotomy on renal function during water diuresis. Perlmutter JH.  
*Proc Soc Exp Biol Med* 116:270-3, Jun 64  
 Massive diuresis following renal homotransplantation. Magee JH, et al.  
*Proc Soc Exp Biol Med* 116:480-3, Jun 64  
 Diuresis following administration of the antidiuretic hormone. Boba A, et al. *Surg Forum* 15:20-1, 1964  
 Response to mannitol under conditions simulating irrigant infusion during transurethral resection. Jones WR, et al. *Surg Forum* 15:483-5, 1964  
 Effect of mannitol on renal tissue osmolality. Long DD, et al. *Surg Forum* 15:15-6, 1964  
 Correction of the renal concentrating defect in hemorrhagic shock. Wright HK, et al.  
*Surg Forum* 15:18-20, 1964  
 Renal hemodynamics: effect of gravity on sodium and water excretion. Stahl WM. *Surg Forum* 15:13-4, 1964

## DIURETICS

A new effective diuretic--Lasix. Stokes W.  
*Brit Med J* 5414:910-4, 10 Oct 64  
 Renal tubular effects of ethacrynic acid. Earley LE, et al. *J Clin Invest* 43:1495-506, Jul 64  
 [Cardiological emergencies in childhood] Heintzen P. *Deutsch Med Wschr* 89:1477-82, 31 Jul 64 (Ger)

## DIURETICS, MERCURIAL

Diuretic therapy. II. Pharmacology of mercurial diuretics. DeGraff AC, et al.  
*Amer Heart J* 68:131-3, Jul 64  
 Mercaptomerin effect on p-aminohippurate transport in man and pentobarbitalized dog. Letteri JM, et al.  
*Amer J Physiol* 206:1379-83, Jun 64

## DIVERTICULOSIS

Intrahepatic diverticulum--common hepatic bile duct. Jackson FC, et al.  
*Arch Surg (Chicago)* 89:706-8, Oct 64

## DIVERTICULOSIS, COLONIC

The pathology of diverticulosis of the antimesenteric intertaenial area of the pelvic colon. Watt J, et al.  
*J Path Bact* 88:97-105, Jul 64  
 Hiatal hernia and diverticulum of the colon. Their low incidence in Korea. Kim EH.  
*New Eng J Med* 271:764-8, 8 Oct 64

## DNA

The relative amounts of DNA and concentrations of RNA in heart muscle of normal and hypertrophied hearts. Capers TH. *Amer Heart J* 68:102-6, Jul 64  
 Cell proliferation in experimental hydronephrosis and compensatory renal hyperplasia. Benitez L, et al.  
*Amer J Path* 44:961-72, Jun 64  
 RNA synthesis in cultures of normal human peripheral blood. Epstein LB, et al. *Blood* 24:69-75, Jul 64  
 Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. Rubini JR, et al. *Cancer Res* 24:655-61, May 64  
 Cell turnover in the respiratory tract. Shorter RG, et al. *Dis Chest* 46:138-42, Aug 64  
 Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Freeman JJ, et al.  
*Endocrinology* 74:990-3, Jun 64  
 Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in *Penicillium atrovenetum*. Gottlieb D, et al.  
*J Bact* 88:114-21, Jul 64  
 Cytologic and cytochemical studies of neuroglia. 3. The DNA content of giant fibrous astrocytes, with implications concerning the nature of these cells.



- Lapham LW, et al.  
**J Neuropath Exp Neurol** 23:419-30, Jul 64
- Antigen-stimulated deoxyribonucleic-acid synthesis in vitro by sensitized mouse macrophages. Rowley D, et al. **Lancet** 2:734-5, 3 Oct 64
- Quantitative effects of alkyl benzene sulfonate (ABS) on KB cells in tissue culture. Benarde MA, et al. **Proc Soc Exp Biol Med** 116:781-4, Jul 64
- Radiation effects on cell cycle dynamics. Hendrickson FR, et al. **Radiology** 83:131-40, Jul 64
- [The role of nucleic acids in the mechanism of protein biosynthesis. II.] Gajdos A.  
**Presse Med** 72:2137-41, 12 Sep 64 (Fr)
- [The role of nucleic acids in the mechanism of protein biosynthesis] Gajdos A.  
**Presse Med** 72:2101-5, 29 Aug 64 (Fr)

## DNA, BACTERIAL

- Biosynthesis of mycobacillin, a new antifungal peptide.  
 1. Role of nucleic acid. Banerjee AB, et al.  
**J Bact** 87:1397-401, Jun 64
- Adansonian analysis and deoxyribonucleic acid base composition of some gram-negative bacteria. Colwell RR, et al. **J Bact** 87:1412-22, Jun 64
- Bacillus subtilis* deoxyribonucleic acid transfer in PBS2 transduction. Mahler I, et al. **J Bact** 87:1423-8, Jun 64
- Incorporation of bacteriophage genome by spores of *Bacillus subtilis*. Takahashi I.  
**J Bact** 87:14499-502, Jun 64
- Biosynthesis of mycobacillin, a new antifungal peptide.  
 1. Role of nucleic acid. Banerjee AB, et al.  
**J Bact** 87:1397-401, Jun 64
- Adansonian analysis and deoxyribonucleic acid base composition of some gram-negative bacteria. Colwell RR, et al. **J Bact** 87:1412-22, Jun 64
- Bacillus subtilis* deoxyribonucleic acid transfer in PBS2 transduction. Mahler I, et al. **J Bact** 87:1423-8, Jun 64

## DNA, NEOPLASM

- Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. **Cancer Res** 24:603-13, May 64

## DNA, VIRAL

- Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard. Golder RH, et al. **Cancer Res** 24:964-8, Jun 64
- Bacillus subtilis* deoxyribonucleic acid transfer in PBS2 transduction. Mahler I, et al. **J Bact** 87:1423-8, Jun 64

## DOG DISEASES

- The treatment of malignant tumours of bone in the dog by intra-arterial injection or perfusion of epodyl (triethyleneglycol diglycidyl ether). Owen LN.  
**Brit J Cancer** 18:407-18, Jun 64

## DOGS

- Characterization of cardiac myosin from the dog.  
 Mueller H, et al. **J Biol Chem** 239:1447-56, May 64

## DOPA

- The incorporation of C14 from 3,4-dihydroxyphenylalanine-2-<sup>14</sup>C14 into the melanin of mouse melanomas. Blois MS Jr, et al.  
**Cancer Res** 24:863-8, Jun 64
- Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. **J Path Bact** 88:159-66, Jul 64
- The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. Burack WR, et al.  
**J Pharmacol Exp Ther** 144:66-75, Apr 64
- DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al.  
**Proc Soc Exp Biol Med** 116:705-12, Jul 64

## DOPAMINE

- Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. **J Path Bact** 88:159-66, Jul 64
- A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al.  
**Proc Soc Exp Biol Med** 116:331-3, Jun 64

## DRAINAGE

- Iridectomy and hemostasis facilitated by suction.  
 Corboy PM. **Arch Ophthalmol (Chicago)** 72:343-5, Sep 64
- Use and abuse of intraperitoneal drains in colon surgery. Berliner SD, et al.  
**Arch Surg (Chicago)** 89:686-9, Oct 64
- Hernial appendicitis. Mitchell JE.  
**Brit J Clin Pract** 18:419-21, Jul 64
- An apparatus for continuous gastric suction. Coupland AE. **Med J Aust** 2:306-7, 22 Aug 64

## DREAMS

- Dream recall and the physiology of sleep. Shapiro A, et al. **J Appl Physiol** 19:778-83, Jul 64

## DROSOPHILA

- The significance of invertebrate hormones in relation to differentiation. Burdette WJ.  
**Cancer Res** 24:521-36, May 64

## DRUG ADDICTION

- To-day's drugs. Drugs of addiction. 1.  
**Brit Med J** 5416:1055-7, 24 Oct 64
- Addiction to dextromoramide. Thompson BA.  
**Brit Med J** 5417:1136, 31 Oct 64
- To-day's drugs. Drugs of addiction. 2.  
**Brit Med J** 5417:1119-20, 31 Oct 64
- Drug dependence. Glatt MM.  
**Brit Med J** 5416:1073, 24 Oct 64
- Addiction to dextromoramide. Thompson BA.  
**Brit Med J** 5417:1136, 31 Oct 64
- To-day's drugs. Drugs of addiction. 2.  
**Brit Med J** 5417:1119-20, 31 Oct 64
- Excessive consumption of drugs. Segal M.  
**Brit Med J** 5414:942-3, 10 Oct 64
- Psychosis and convulsions following withdrawal from ethylchlorvynol. Blumenthal MD, et al.  
**JAMA** 190:154-5, 12 Oct 64
- Opiate Addiction. Chapple PA. **Lancet** 2:649, 19 Sep 64

## DRUG ADULTERATION

- "Pharmacopoeitic" effects of drugs. Jacobs PH.  
**Lancet** 2:650-1, 19 Sep 64

## DRUG ALLERGY

- Mechanism and significance of endotoxin-induced sensitization to acetylcholine in rabbits. Hildebrand GJ, et al. **Amer J Physiol** 206:1213-6, Jun 64
- Anaphylactic reaction caused by intramuscular injection of lyophilized alpha-chymotrypsin. Watson PG. **Brit J Ophthalmol** 48:35-8, Jan 64
- Fixed eruption in deeply pigmented subjects: clinical observations on 350 patients. Browne SG.  
**Brit Med J** 5416:1041-4, 24 Oct 64
- Simultaneous allergic (anaphylactic) and embolic-toxic reactions by accidental intravascular injection of procaine-penicillin. Hoigne R, et al.  
**Int Arch Allerg** 24:Suppl:48-9, 1964
- Cross-sensitivity between streptomycin and dihydrostreptomycin. Wenzel FJ, et al.  
**J Invest Derm** 43:99-101, Aug 64
- Evaluation of intradermal skin tests in penicillin hypersensitivity. Budd MA, et al.  
**JAMA** 190:203-5, 19 Sep 64
- Allergic contact dermatitis. Kingery FA.  
**JAMA** 190:539, 9 Nov 64
- Methicillin tolerance after penicillin G anaphylaxis. Luton EF. **JAMA** 190:39-40, 5 Oct 64
- Generalized allergic reaction to bovine throtropin. Sherman WB, et al. **JAMA** 190:244-5, 19 Sep 64
- "Pharmacopoeitic" effects of drugs. Jacobs PH.  
**Lancet** 2:650-1, 19 Sep 64
- [Studies with natural and synthetic ACTH in subjects allergic to ACTH. Clinical studies] Maeder E.  
**Int Arch Allerg** 24:Suppl:27-8, 1964 (Ger)
- [Immunological studies with natural and synthetic ACTH in subjects allergic to ACTH] Schwarz-Speck M, et al. **Int Arch Allerg** 24:Suppl:29-47, 1964 (Ger)

## DRUG RESISTANCE, MICROBIAL

- Comparative study between bacteriological findings in patients with pulmonary tuberculosis and bacteriology of surgically resected lung tissue. Amadio GE, et al. **Dis Chest** 46:37-41, Jul 64
- Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. Arima K, et al.  
**J Bact** 88:143-50, Jul 64
- Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. Beppu M, et al. **J Bact** 88:151-7, Jul 64
- Sulfonamide resistance of *Clostridium sporogenes*. Neikirk RL, et al. **J Bact** 87:1526-7, Jun 64
- Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. Ginoza HS, et al. **J Bact** 87:1339-45, Jun 64
- Elimination of penicillin resistance of *Staphylococcus aureus* by treatment with acriflavine. Hashimoto H, et al. **J Bact** 88:261-2, Jul 64
- Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. Arima K, et al.  
**J Bact** 88:143-50, Jul 64
- Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. Beppu M, et al. **J Bact** 88:151-7, Jul 64
- Elimination of penicillin resistance of *Staphylococcus aureus* by treatment with acriflavine. Hashimoto H, et al. **J Bact** 88:261-2, Jul 64
- Sulfonamide resistance of *Clostridium sporogenes*. Neikirk RL, et al. **J Bact** 87:1526-7, Jun 64

- Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. Ginoza HS, et al. **J Bact** 87:1339-45, Jun 64
- Sulphone resistance in leprosy. An experimental and clinical study. Pettit JH, et al.  
**Lancet** 2:673-4, 20 Sep 64
- [Staphylococci in the newborn nursery] Kienitz M, et al. **Deutsch Med Wschr** 89:1744-51, 11 Sep 64 (Ger)

## DRUG THERAPY

- To-day's drugs. Treatment of acute poisoning. 2.  
**Brit Med J** 5415:993-6, 17 Oct 64
- Safety in new drugs. Modell W.  
**JAMA** 190:141-4, 12 Oct 64
- Drug treatment in psychiatry. **Lancet** 2:639-40, 19 Sep 64

## DRUG TOLERANCE

- Lead poisoning during pregnancy. Fetal tolerance of calcium disodium edetate. Angle CR, et al.  
**Amer J Dis Child** 108:436-9, Oct 64
- The effect of total body perfusion on digitalis tolerance. Tassopoulos NM, et al.  
**Dis Chest** 46:130-7, Aug 64
- Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred. O'Reilly RA, et al.  
**New Eng J Med** 271:809-15, 15 Oct 64
- [Chemo-antibiotic therapy of tuberculosis in diabetics and its repercussions on glucide metabolism] Filla E, et al. **Minerva Med** 55:2417-22, 18 Aug 64 (It)

## DRUGS

- New names. **JAMA** 190:289-90, 26 Oct 64

## DUCTUS ARTERIOSUS, PATENT

- Angiocardiographic measurements in congenital heart disease in infancy and childhood. II. Size of left atrium. Arvidsson H.  
**Acta Radiol [Diagn] (Stockholm)** 2:353-64, Jul 64
- Surgical aspects of heart disease in infants under the age of two years. Gerbode F, et al.  
**Amer J Surg** 108:224-32, Aug 64
- Finger-print patterns in congenital heart disease. Sánchez Cascos A. **Brit Heart J** 26:524-7, Jul 64
- Uncomplicated total anomalous pulmonary venous return below the diaphragm. Report of a case. Falsetti HL, et al. **Dis Chest** 46:102-6, Jul 64
- Congenital absence of left pulmonary artery with patent ductus arteriosus; treatment by closure of ductus and left pneumonectomy. Steinberg I, et al. **JAMA** 190:394-6, 28 Oct 64
- Diagnostic cineangiocardiology. Rowe GG, et al.  
**Vasc Dis** 1:45-53, Jan 64

## DUMPING SYNDROME

- Gastrointestinal resections and malabsorption. Larmi TK. **Ann Chir Gynaec Fenn** 53:315-27, 1964

## DUODENAL DISEASES

- Surgical management of the difficult and perforated duodenal stump: an experimental study. Jones SA, et al. **Amer J Surg** 108:257-63, Aug 64
- [History of a megaduodenum] Papahagi E, et al.  
**Presse Med** 72:2299-302, 23 Sep 64 (Fr)

## DUODENAL NEOPLASMS

- Surgical consideration in the management of ulcerogenic tumors of the pancreas and duodenum. Oberhelman HA Jr, et al.  
**Amer J Surg** 108:132-41, Aug 64

## DUODENAL ULCER

- Surgical consideration in the management of ulcerogenic tumors of the pancreas and duodenum. Oberhelman HA Jr, et al.  
**Amer J Surg** 108:132-41, Aug 64
- Distal antrectomy with vagotomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. Palumbo LT, et al. **Arch Surg (Chicago)** 89:637-44, Oct 64
- Spontaneous nocturnal gastric secretion--acid, pepsin. In patients with or without duodenal ulcer. Sebus J, et al. **Arch Surg (Chicago)** 89:709-15, Oct 64
- Experience with local gastric cooling. Cushman WF, et al. **Arch Surg (Chicago)** 89:719-24, Oct 64
- Complete vagotomy and its consequences: follow-up of 146 patients. Clark CG, et al.  
**Brit Med J** 5414:900-3, 10 Oct 64
- Duodenal ulceration in children. Berman V.  
**Clin Radiol** 15:267-70, Jul 64
- Gastric secretory activity using the Kay and Hunt test meal methods. Aylett P, et al. **Clin Sci** 26:351-7, Jun 64
- Gastric freezing. **Lancet** 2:679-80, 20 Sep 64
- Chronic duodenal ulcer with ankylosing spondylitis. Ellis H. **Proc Roy Soc Med** 57:674-5, Aug 64



## DUODENUM

- Mechanism of duodenal inhibition of gastric secretion. Quintana R, et al. *Arch Surg (Chicago)* 89:585-91, Oct 64
- A histochemical analysis of the effect of irradiation on murine duodenal mucosa. Spiro HM, et al. *J Path Bact* 88:55-60, Jul 64
- Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. Auricchio S, et al. *Lancet* 2:914, 24 Oct 64
- Gastroduodenal congestion and histamine provoked ulcers. Gildedman ML, et al. *Surg Forum* 15:314-5, 1964

## DUPUYTREN'S CONTRACTURE

- The open palm technique in Dupuytren's contracture. McCash CR. *Brit J Plast Surg* 17:271-80, Jul 64
- Limited and extensive operations in Dupuytren's contracture. Tubiana R. *Surg Clin N Amer* 44:1071-80, Aug 64

## DURA MATER

- The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64
- Dural instrument. Baldwin M. *J Neurosurg* 20:447, May 63
- Trigeminal neuralgia caused by cysticercosis of the cavum meckelli: report of two cases. Tenuto RA, et al. *J Neurosurg* 20:169-71, Feb 63
- Bilateral subdural empyema. Report of a case with arteriograms. Genest AS, et al. *J Neurosurg* 20:524-6, Jun 63
- Radioisotopic localization in subdural hematomas. An experimental study with arsenic-74 and radiolabeled human serum albumin in dogs. Mealey J Jr. *J Neurosurg* 20:770-6, Sep 63
- Fatty-acid analysis of meningiomas by gas-phase chromatography. Stein AA, et al. *J Neurosurg* 20:435-8, May 63
- Intracavitary irradiation of malignant brain tumours. Drake CG, et al. *J Neurosurg* 20:428-34, May 63

## DWARFISM

- Marchesani's syndrome. Rahman M, et al. *Brit J Ophthalmol* 47:182-3, Mar 63
- Experimental growth retardation in the foetal rat. Wigglesworth JS. *J Path Bact* 88:1-13, Jul 64
- [How to treat growth retardation] Royer P, et al. *Presse Med* 72:2161-4, 12 Sep 64 (Fr)

## DWARFISM, PITUITARY

- Treatment of short stature in children and adolescents with human pituitary growth hormone (Raben). Soyka LF, et al. *New Eng J Med* 271:754-64, 8 Oct 64

## DYE DILUTION TECHNIC

- Areas under thermal-dilution curves, assuming log-normal distribution. Lewi P. *Amer J Physiol* 207:144-8, Jul 64
- A theory for the quantification of transcapillary exchange by tracer-dilution curves. Martin P, et al. *Amer J Physiol* 207:162-8, Jul 64
- Arterial hematocrit and separation of cells and plasma in the dog kidney. Chinard FP, et al. *Amer J Physiol* 207:128-32, Jul 64
- Rapid method for determination of cardiac output by indicator dilution techniques. Boyett JD, et al. *J Lab Clin Med* 64:180-7, Jul 64

## DYES

- Efflux of organic acids from rabbit kidney cortex. Despopoulos A, et al. *Amer J Physiol* 207:118-22, Jul 64
- Cosmetics and the dermatologist. Hair colourings. I. Thorne N. *Brit J Clin Pract* 18:427-30, Jul 64
- Effectiveness of aurin tricarboxylic acid (ATA) as an antidote for beryllium poisoning. King ME, et al. *Industr Med Surg* 33:566-9, Aug 64

## DYSCHONDROPLASIA

- Dysfibroplasia, dyschondroplasia and dysosteoplasia of bone. Edling NP. *Acta Radiol [Diagn] (Stockholm)* 2:283-8, Jul 64

## DYSENTERY, BACILLARY

- Diarrheal disease and health services in Latin America. Yankauer A, et al. *Public Health Rep* 79:917-23, Oct 64

## DYSMENORRHEA

- Diazepam in dysmenorrhoea. McAllister D. *New Zeal Med J* 63:448-9, Jul 64

## DYSTOCIA

- An unusual case of shoulder dystocia. Francis RC. *J Obstet Gynaec Brit Comm* 71:637-9, Aug 64

## DYSTONIA MUSCULORUM

## DEFORMANS

- Clinical and pathological studies of an hereditary neuropathy in mice (dystonia musculorum). Duchon LW, et al. *Brain* 87:367-78, Jun 64
- Confusion and disturbance of speech from stimulation in vicinity of the head of the caudate nucleus. Van Buren JM. *J Neurosurg* 20:148-57, Feb 63

## EAR

- Fluid collection in cerebrospinal otorrhea. Raskind R. *J Int Coll Surg* 42:408-9, Oct 64

## EAR CANAL

- Tomography in atresia of the external auditory meatus. James JA, et al. *Brit J Radiol* 37:511-25, Jul 64

## EAR, EXTERNAL

- New Way to syringe care. Dawson JB. *Brit Med J* 5415:1010, 17 Oct 64
- The genesis of adenolymphoma. Azzopardi JG, et al. *J Path Bact* 88:213-8, Jul 64

## EAR, EXTERNAL, DEFORMITY

- Masquerade graft technique for simultaneous reconstruction of upper and lower eyelids in patients with blastomycosis, amyloidosis or other chronic septic destructive lesions. Snyder GE, et al. *Plast Reconstr Surg* 34:163-8, Aug 64

## EAR, MIDDLE

- The development of the middle ear spaces and their surgical significance. Proctor B. *J Laryng* 78:631-48, Jul 64

## ECHINOCOCCOSIS

- Cardiac hydatid disease including a report on the successful removal of a complicated hydatid cyst, occupying the full thickness of the left ventricular myocardium, utilizing cardio-pulmonary by-pass. McConchie I. *Aust New Zeal J Surg* 34:18-23, Aug 64
- Cerebral hydatidosis. Clinical case report with a review of pathogenesis. Ayres CM, et al. *J Neurosurg* 20:371-7, May 63
- Vertebral echinococcosis: report of case of surgical and biological therapy with review of the literature. Rayport M, et al. *J Neurosurg* 21:647-59, Aug 64

## ECHO VIRUSES

- Oxidative inactivation of different types of enterovirus. Lund E. *Amer J Hyg* 80:1-10, Jul 64

## ECHOTHIOPHATE IODIDE

- Phospholine iodide (217M1) (ecothiophate iodide) in the treatment of glaucoma. Lloyd JP. *Brit J Ophthalmol* 47:469-84, Aug 63

## ECLAMPSIA

- Post-partum eclampsia complicated by the anterior tibial syndrome. Manson IW. *Brit Med J* 5417:1117-8, 31 Oct 64
- Clinical significance of the pathology of toxemia of pregnancy. McKay DG. *Circulation* 30:Suppl 2:66-75, Aug 64
- Paraldehyde in the treatment of eclampsia. Williams B. *J Obstet Gynaec Brit Comm* 71:621-3, Aug 64
- Cesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases. Alexander JA, et al. *Southern Med J* 57:1282-7, Nov 64
- Metabolic studies in toxemia of pregnancy. Goodrich SM, et al. *Surg Forum* 15:378-9, 1964

## ECONOMICS

- The training of the physician. Adaptation of medical education to regional needs. Brock JF. *New Eng J Med* 271:989-93, 5 Nov 64

## ECONOMICS, MEDICAL

- An exercise in the costs of medical care. Lewis CE. *Arch Environ Health (Chicago)* 9:581-4, Nov 64
- Practice expenses. *Brit Med J* 5417:1140-1, 31 Oct 64
- Practice expenses. *Brit Med J* 5415:1012-3, 17 Oct 64
- Charges for patients. Tomlins FG. *Brit Med J* 5413:880-1, 3 Oct 64
- Practice expenses. *Brit Med J* 5413:879-80, 3 Oct 64

- Practice expenses. *Brit Med J* 5414:945-8, 10 Oct 64
- Practice expenses. *Brit Med J* 5414:946-8, 10 Oct 64
- Incentives and remuneration. Jacob A. *Lancet* 2:748-51, 3 Oct 64
- Expenditure on N.H.S. practice premises. The Minister's letter. Barber A. *Lancet* 2:686-7, 20 Sep 64
- State salaries and medicine. Robinson RG. *New Zeal Med J* 63:449-50, Jul 64
- G.M.S. benefits. Lovell-Smith JB. *New Zeal Med J* 63:451-2, Jul 64
- Relative value fee schedules. De Kleine EH. *Plast Reconstr Surg* 34:202-4, Aug 64

## ECTROPION

- Simple technique for splitting the lid in the Kuhn-Szymanowski ectropion operation. Abrams JD. *Brit J Ophthalmol* 48:55, Jan 64

## EDATHAMIL

- Lead poisoning during pregnancy. Fetal tolerance of calcium disodium edetate. Angle CR, et al. *Amer J Dis Child* 108:436-9, Oct 64
- Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. *Cancer Res* 24:570-81, May 64
- Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from *Mycobacterium tuberculosis*. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64
- The lactic dehydrogenases of yeast. IV. D-alpha-Hydroxy acid dehydrogenase. Cremona T. *J Biol Chem* 239:1457-65, May 64
- Collagenolytic activity of mammalian pancreas. Houck JC, et al. *Proc Soc Exp Biol Med* 116:382-5, Jun 64
- Effects of sodium ethylenediamine tetra-acetic acid on fracture healing. Ledbetter JR, et al. *Surg Forum* 15:446-8, 1964

## EDEMA

- Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. Urquhart J, et al. *J Clin Invest* 43:1355-66, Jul 64
- Scleredema adultorum. Buschke's Disease. Walton TT Jr. *Southern Med J* 57:1364 passim 1364, Nov 64
- Successful treatment of crush and amputation shock following prolonged periods of ischemia. Mehl RL, et al. *Surg Forum* 15:1-3, 1964
- Use of steroids in clinical and experimental cerebral edema. Scialabba DA, et al. *Surg Forum* 15:426-7, 1964
- Effect of proteolytic enzymes from carica papaya on induced edema in dog ureters. Logan DJ, et al. *Surg Forum* 15:481-2, 1964
- Lymphatic cineradiography. Rubeiz MT, et al. *Surg Forum* 15:461-3, 1964
- Correlation of edema formation, hemoconcentration, and mortality in experimental burns treated with hypothermia. Manson AD, et al. *Surg Forum* 15:469-71, 1964

## EDUCATION

- A comment on the segregated learning situation as an insulating device for the Negro child. Holland FN. *Psychiatry* 27:301-3, Aug 64

## EDUCATION, MEDICAL

- Training of plastic surgeons. Rank BK. *Brit J Plast Surg* 17:217-21, Jul 64
- Family planning in London teaching hospitals. Philipp EE. *Brit Med J* 5417:1132, 31 Oct 64
- And leave for the unknown. Romano J. *JAMA* 190:282-4, 26 Oct 64
- The Ph.D.-M.D. pattern of training for academic pathology. Wissler RW. *Lab Invest* 13:670-7, Jun 64
- Analysis of the research training program. Zimmerman HM. *Lab Invest* 13:694-700, Jun 64
- The Ph.D. degree in pathology without the M.D. degree. Majno G. *Lab Invest* 13:678-82, Jun 64
- Biophysics and biochemistry education for research in pathology. Carter JR. *Lab Invest* 13:613-8, Jun 64
- Medical manpower. *Lancet* 2:693, 20 Sep 64
- Medical manpower. *Lancet* 2:642-3, 19 Sep 64
- The training of the physician. Adaptation of medical education to regional needs. Brock JF. *New Eng J Med* 271:989-93, 5 Nov 64
- Opportunities abroad for service in medical education and public health. Hayes GS. *New Eng J Med* 271:993-5, 5 Nov 64
- The training of the physician. Research in the teaching-learning process—two experimental modules. Ham TH. *New Eng J Med* 271:1042-6, 12 Nov 64
- Teaching diagnostic skills. Peterson OL. *New Eng J Med* 271:1046-7, 12 Nov 64
- The training of the physician. Education and training in preventive medicine and public health. Langmuir AD. *New Eng J Med* 271:772-4, 8 Oct 64
- Some unusual medical students. (L'Etang H). *Practitioner* 193:96-100, Jul 64



Training in general medicine for radiology residents.  
McCormack KR. *Radiology* 83:22-5, Jul 64  
A gynaecologist looks back. Impey RL.  
*S Afr Med J* 38:708-9, 29 Aug 64  
[Objective examinations: what are we trying to evaluate?]  
Gulbert JJ.  
*Presse Med* 72:2555-8, 17 Oct 64 (Fr)

## EDUCATION, MEDICAL, POSTGRADUATE

Postgraduate medical training on the Pacific Coast.  
Mathewson C Jr. *Amer J Surg* 108:127-31, Aug 64  
Private hospitals and graduate medical education.  
Werch SC. *J Amer Geriatr Soc* 12:749-55, Aug 64  
Our neglect of general internists and practitioners in teaching hospitals. Levine SA.  
*JAMA* 190:286-8, 26 Oct 64  
The district hospital as teaching centre. Venters RS.  
*Lancet* 2:807-9, 10 Oct 64  
The training of the physician. Continuing education--a British view. Hamilton JG.  
*New Eng J Med* 271:938-40, 29 Oct 64  
The training of the physician. Continuing education--Whose responsibility? Spink WW.  
*New Eng J Med* 271:827-8, 15 Oct 64  
Role of schools of public health. Whittenberger JL.  
*New Eng J Med* 271:774-5, 8 Oct 64  
The training of the physician: continuing education; Postgraduate Medical Institute. Ellis LB.  
*New Eng J Med* 271:883-5, 22 Oct 64

## EDUCATION, NURSING

Nursing administration. *Brit Med J* 5414:892-3, 10 Oct 64  
Family planning in London teaching hospitals. Philipp EE. *Brit Med J* 5417:1132, 31 Oct 64  
Continuing education in nursing. Kuehn RP.  
*JAMA* 190:544-5, 9 Nov 64

## EGG WHITE

Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM.  
*J Nutr* 83:225-33, Jul 64

## ELASTIC TISSUE

Autoradiographic study of insulin distribution in the rat with special reference to elastic tissue.  
Worthington WC Jr, et al.  
*Endocrinology* 74:914-24, Jun 64

## ELBOW

[Muscle-tendon transplantations for paralysis of the upper extremity] Iselin F.  
*Presse Med* 72:2339-42, 26 Sep 64 (Fr)

## ELECTRIC COUNTERSHOCK

Complications and limitations of direct-current countershock. Rabbino MD, et al.  
*JAMA* 190:417-20, 2 Nov 64  
Complications of direct-current countershock.  
*JAMA* 190:465, 2 Nov 64  
Ventricular tachycardia after synchronized direct-current countershock. Graf WS, et al.  
*JAMA* 190:470-1, 2 Nov 64  
Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. Mouloupoulos S, et al.  
*New Eng J Med* 271:895-7, 22 Oct 64  
Ideal wave form and characteristics for direct current defibrillators. Detmer RA, et al.  
*Surg Forum* 15:249-51, 1964

## ELECTRIC STIMULATION

Effects of left stellate ganglion stimulation on left ventricular synchrony in dogs. Osadjan CE, et al.  
*Amer J Physiol* 207:181-6, Jul 64  
Electrical stimulation of eight cranial nerve. Doyle JH, et al. *Arch Otolaryng (Chicago)* 80:388-91, Oct 64  
Direct stimulation of auditory nerve fibers. Lawrence M. *Arch Otolaryng (Chicago)* 80:387-8, Oct 64  
Electrical quiescence of pulmonary artery smooth muscle during sympathomimetic stimulation. Su C, et al. *Circ Res* 15:28-7, Jul 64  
Micro-electrode studies of experimental 3/sec wave and spike in the cat. Pollen DA, et al.  
*Electroenceph Clin Neurophysiol* 17:57-67, Jul 64  
Comparison of constant current and constant voltage stimulators for scalp-recorded somatosensory responses. Schwartz M, et al.  
*Electroenceph Clin Neurophysiol* 17:81-3, Jul 64  
Further experience with the radio transmitter receiver unit for the neurogenic bladder. Bradley WE, et al.  
*J Neurosurg* 20:953-60, Nov 63

## ELECTRICITY

In vitro studies of direct current coagulation. Reardon JJ, et al. *Surg Forum* 15:235-7, 1964

## ELECTROCARDIOGRAPHY

The electrocardiogram in patients with previous myocardial infarction. Anderssen N, et al.  
*Acta Med Scand* 176:123-6, Jul 64  
ECG changes after cerebral stimulation. I. Anomalous atrioventricular excitation elicited by electrical stimulation of the mesencephalic reticular formation. Mauck HP Jr, et al.  
*Amer Heart J* 68:98-101, Jul 64  
Intrinscoid atrial P-wave deflections in unipolar intracardiac electrograms. Watson H.  
*Amer Heart J* 68:3-11, Jul 64  
The second heart sound in biventricular failure due to African cardiomyopathy. Reid JV.  
*Amer Heart J* 68:38-40, Jul 64  
Electrocardiograms of marathon runners in 1962 Commonwealth games. Smith WG, et al.  
*Brit Heart J* 26:469-76, Jul 64  
The electrocardiogram in pulmonary valve stenosis with intact ventricular septum. Boyle DM, et al.  
*Brit Heart J* 26:477-80, Jul 64  
Electrocardiographic changes in accidental hypothermia. Ree MJ. *Brit Heart J* 26:566-71, Jul 64  
Cytotoxicity of autoclaved carbohydrate solutions. Jones CS. *Brit Med J* 5413:878, 3 Oct 64  
Transmyocardial temperature gradient in dog and man: relation to the polarity of the T wave of the electrocardiogram. Reynolds EW Jr, et al.  
*Circ Res* 15:11-9, Jul 64  
Electrocardiographic changes after glucose ingestion. Ostrander LD Jr, et al. *Circulation* 30:67-76, Jul 64  
Electrocardiographic changes in hypothyroidism. Adams CW. *Dis Chest* 46:87-8, Jul 64  
The S1, S2, S3 syndrome in chronic pulmonary disease. Pryor R. *Dis Chest* 46:226, Aug 64  
An improved suction electrode for recording from the dog heart in situ. Churney L, et al.  
*J Appl Physiol* 19:793-8, Jul 64  
Electrocardiographic alterations observed during fractional pneumoencephalography. Davie JC. *J Neurosurg* 20:321-8, Apr 63  
Electrocardiographic observation simultaneously with stimulation of thalamus and globus pallidus and thalamic coagulation. (Is there a neurocardiac relationship to the thalamus and globus pallidus?). Davie JC. *J Neurosurg* 20:387-9, May 63  
Monitored and post-exercise two-step test. Master AM, et al. *JAMA* 190:494-500, 9 Nov 64  
Angina pectoris and arrhythmias documented by cardiac telemetry. Norland CC, et al.  
*JAMA* 190:115-8, 12 Oct 64  
Changes of blood elements and the circulatory system in climbing. 3. Sumiyoshi K, et al.  
*Jap Circ J* 28:669-75, Sep 64  
Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. Mouloupoulos S, et al.  
*New Eng J Med* 271:895-7, 22 Oct 64

## ELECTROCOAGULATION

Electrocautery in percutaneous liver biopsy. Edlich RF, et al. *JAMA* 190:68-9, 5 Oct 64

## ELECTROENCEPHALOGRAPHY

Electroencephalographic waves with voluntary movement. Study in the rat. Vanderwolf CH, et al. *Arch Neurol (Chicago)* 11:379-84, Oct 64  
Clinico-EEG correlation with arterial and jugular venous biochemical studies in acute neurological disorder. Fischer-Williams M, et al.  
*Brain* 87:281-306, Jun 64  
The electro-encephalogram in blind children. Jeavons PM. *Brit J Ophthalmol* 48:83-101, Feb 64  
Micro-electrode studies of experimental 3/sec wave and spike in the cat. Pollen DA, et al.  
*Electroenceph Clin Neurophysiol* 17:57-67, Jul 64  
EEG data representation in broad-band frequency analysis. Kaiser E, et al.  
*Electroenceph Clin Neurophysiol* 17:76-80, Jul 64  
The effect of LSD on the sleep cycle of the cat. Hobson JA. *Electroenceph Clin Neurophysiol* 17:52-6, Jul 64  
Autonomic changes during paroxysmal EEG activity. Johnson LC, et al.  
*Electroenceph Clin Neurophysiol* 17:25-35, Jul 64  
Index to current literature.  
*Electroenceph Clin Neurophysiol* 16:630-5, Jun 64  
DC recordings of paroxysmal disorders in man. Cohn R. *Electroenceph Clin Neurophysiol* 17:24, Jul 64  
EEG study of tetany and spasmodic. Roth B, et al.  
*Electroenceph Clin Neurophysiol* 17:36-45, Jul 64  
Electroencephalographic and circulatory responses to meglumine in normal subjects. Sellden U, et al.  
*Electroenceph Clin Neurophysiol* 17:11-6, Jul 64  
Index to current literature.  
*Electroenceph Clin Neurophysiol* 16:630-5, Jun 64  
Repeated activation with meglumine in normal subjects:

electroencephalographic responses and threshold doses. Sellden U.  
*Electroenceph Clin Neurophysiol* 17:1-10, Jul 64  
Mental arithmetic and blocking of the occipital alpha rhythm. Glass A.  
*Electroenceph Clin Neurophysiol* 16:595-603, Jun 64  
The EEG in benign intracranial hypertension. Mani KS, et al.  
*Electroenceph Clin Neurophysiol* 16:604-10, Jun 64  
An instrument for automatic scoring of EEG phase relationships. Darrow CW, et al.  
*Electroenceph Clin Neurophysiol* 16:614-6, Jun 64  
The avian EEG: an artifact associated with ocular movement. Paulson G.  
*Electroenceph Clin Neurophysiol* 16:611-3, Jun 64  
Clinical applications of studies on stereotactically implanted electrodes in temporal-lobe epilepsy. Crandall PH, et al. *J Neurosurg* 20:827-40, Oct 63  
The electroencephalogram in visually handicapped children. Akiyama Y, et al. *J Pediatr* 65:233-42, Aug 64  
An electroencephalographic and chemical re-evaluation of the central action of reserpine in the rabbit. Pscheidt GR, et al.  
*J Pharmacol Exp Ther* 144:37-44, Apr 64  
Life or death by EEG. Hamlin H.  
*JAMA* 190:112-4, 12 Oct 64  
Use and abuse of electroencephalography.  
*Lancet* 2:863, 17 Oct 64  
Use and abuse of electroencephalography. Pampiglione G. *Lancet* 2:815, 10 Oct 64  
EEG after intracerebroventricular tetrodotoxin in cats. Rech RH, et al.  
*Proc Soc Exp Biol Med* 116:434-7, Jun 64

## ELECTROLYSIS

Iris cyst treated by electrolysis. Wilson W.  
*Brit J Ophthalmol* 48:45-9, Jan 64

## ELECTROLYTES

Renal tubular effects of ethacrynic acid. Earley LE, et al. *J Clin Invest* 43:1495-506, Jul 64  
A new method for preparing a plasma ultrafiltrate: distributions of 5 electrolytes. Ames A 3d, et al.  
*J Lab Clin Med* 64:168-76, Jul 64

## ELECTRONARCOSIS

The development and use of an electronic apparatus for inducing sleep and anaesthesia. Hood JW.  
*Med J Aust* 2:298-303, 22 Aug 64  
Suppression of cerebral cortex by electrical anaesthesia. Larson SJ, et al. *Surg Forum* 15:397-8, 1964

## ELECTRONS

The properties of catgut sutures sterilized by heat, ethylene oxide and electron beams. Thoennes LA.  
*J Int Coll Surg* 42:382-8, Oct 64

## ELECTROPHYSIOLOGY

Effect of hypothermia on excitation and propagation in the isolated atrium. Torres JC, et al.  
*Amer J Physiol* 207:199-202, Jul 64  
Effects of left stellate ganglion stimulation on left ventricular synchrony in dogs. Osadjan CE, et al.  
*Amer J Physiol* 207:181-6, Jul 64  
A complex manifestation of concealed A-V conduction in the dog heart. Moe GK, et al.  
*Circ Res* 15:51-63, Jul 64  
A time locked, low level callibrator. Emde JW.  
*Electroenceph Clin Neurophysiol* 16:616-8, Jun 64

## ELECTRORETINOGRAPHY

Electroretinogram and cortical evoked potentials under hypothermia. Wollin LR, et al.  
*Arch Ophthalmol (Chicago)* 72:521-4, Oct 64  
Electroretinographic changes in undernourished children. Khetarpal SK.  
*Brit J Ophthalmol* 48:154-7, Mar 64

## ELLIPTOCYTOSIS, HEREDITARY

Glaucoma and elliptocytosis. Anderson J, et al.  
*Brit J Ophthalmol* 48:7-12, Jan 64

## EMACIATION

Bacterial infection and wasting in neonatally thymectomized rats. Azar HA.  
*Proc Soc Exp Biol Med* 116:817-23, Jul 64

## EMBOLISM

Intentional embolism in selective renal arteriography. An experimental study in dogs. Edling NP, et al.  
*Acta Radiol (Diagn) (Stockholm)* 2:316-20, Jul 64  
Systemic embolism in mitral stenosis: relation to the size of the left atrial appendix. Somerville W, et al.  
*Brit Med J* 5418:1167-9, 7 Nov 64



Mitral stenosis and systemic emboli. Lillierap D, et al. *Brit Med J* 5418:1169-71, 7 Nov 64  
 Embolism in mitral valve disease. *Brit Med J* 5418:1149-50, 7 Nov 64  
 Simultaneous allergic (anaphylactic) and embolic-toxic reactions by accidental intravascular injection of procaine-penicillin. Hogné R, et al. *Int Arch Allerg* 24:Suppl:48-9, 1964  
 Retinal artery embolism: a complication of carotid endarterectomy. Shillito J Jr, et al. *J Neurosurg* 20:718-20, Aug 63

## EMBOLISM, AIR

Carotid air embolism. An experimental study in cats. Pate JW, et al. *Arch Surg (Chicago)* 89:685, Oct 64

## EMBOLISM, AMNIOTIC FLUID

A histological study of experimental amniotic-fluid and meconium embolism in dogs. Attwood HD. *J Path Bact* 88:285-90, Jul 64

## EMBRYO

Test tube embryo. *Brit Med J* 5413:836, 3 Oct 64

## EMERGENCIES

Association acts to promote medical identification symbol. *Circulation* 30:7, Jul 64  
 The first half-million miles. Cummins CF, et al. *Med J Aust* 2:348-52, 29 Aug 64

## EMOTIONS

Peripheral vasoconstriction induced by emotional stress in rats. Solomon GF, et al. *Angiology* 15:362-5, Aug 64

## EMPHYSEMA

Removal of the carotid body for asthma and emphysema. Phillips JR. *Southern Med J* 57:1278-81, Nov 64

## EMULSIONS

Adjuvants and aspermatogenesis in the guinea pig. Katsh S. *Int Arch Allerg* 24:319-31, 1964

## ENCEPHALITIS

Herpes simplex retinopathy in an infant. Cogan DG, et al. *Arch Ophthalm (Chicago)* 72:641-5, Nov 64

## ENCEPHALITIS, EPIDEMIC

Field and laboratory studies on eastern encephalitis in warm- and cold-blooded vertebrates. Hayes RO, et al. *Amer J Trop Med* 13:595-606, Jul 64

## ENCEPHALITIS VIRUSES

Studies on viral inhibitors of biological origin. I. Inhibition of viral replication by protein-like constituents of bacteria. Carver DH, et al. *Proc Soc Exp Biol Med* 116:548-52, Jun 64  
 Arthropod-borne encephalitis viruses in northeastern South America. I. A serological survey of northeastern Surinam. Jonkers AH, et al. *Trop Geogr Med* 16:135-45, Jun 64

## ENCEPHALOMYELITIS

Neuropathologic findings in exotic neurologic disorders among natives of the highlands of New Guinea. Neumann MA, et al. *J Neuropath Exp Neurol* 23:486-507, Jul 64

## ENCEPHALOMYOCARDITIS VIRUSES

Propagation of encephalomyocarditis virus in swine embryo kidney cells. Rouhandeh H, et al. *Proc Soc Exp Biol Med* 116:610-2, Jul 64

## ENDOCARDITIS

The cardiovascular manifestations of systemic lupus erythematosus. Hejtmancik MR, et al. *Amer Heart J* 68:119-30, Jul 64

## ENDOCARDITIS, BACTERIAL

Bacterial infections in the heart. An experimental study on the influence of silk and synthetic sutures. Niguidula FN, et al. *Arch Surg (Chicago)* 89:669-76, Oct 64

## ENDOCARDITIS, SUBACUTE

### BACTERIAL

Endocarditis as a cause of cerebrovascular lesions. Thompson JW. *Brit Med J* 5417:1132, 31 Oct 64

## ENDOCARDIUM

Transmyocardial temperature gradient in dog and man: relation to the polarity of the T wave of the electrocardiogram. Reynolds EW Jr, et al. *Circ Res* 15:11-9, Jul 64

## ENDOCRINE DISEASES

Endocrine influences on the skin. *Brit Med J* 5415:1005, 17 Oct 64  
 [Diseases with autoantibodies. Clinical and experimental data] Mikol C, et al. *Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)

## ENDOMETRIOSIS

An unusual cause of renal colic in a pseudohermaphrodite. Zielinski J, et al. *Brit J Urol* 36:254-6, Jun 64  
 Endometrial stromaloma. Report of a case. Rosenberg RJ, et al. *Obstet Gynec* 23:708-11, May 64

## ENDOPLASMIC RETICULUM

Effect of protein intake on the ribonucleic acid of liver cell sap. Munro HN, et al. *J Nutr* 83:186-92, Jul 64

## ENDOTOXINS

Sulfated mucopolysaccharide and basic protein in certain granules of circulating heterophils of rabbits during endotoxin-induced leukocytosis. Horn RG, et al. *Amer J Path* 44:905-19, Jun 64  
 Alteration of vascular responses to endotoxin by adrenergic blockade. Brake CM, et al. *Amer J Physiol* 207:149-51, Jul 64  
 Mechanism and significance of endotoxin-induced sensitization to acetylcholine in rabbits. Hildebrand GJ, et al. *Amer J Physiol* 206:1213-6, Jun 64  
 Schwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. Antopol W, et al. *Arch Path (Chicago)* 78:313-24, Oct 64  
 The management of experimental endotoxin shock. The circulatory effects of levarterenol, hydrocortisone, phenoxymethylamine hydrochloride, and blood volume expansion. Smith LL, et al. *Arch Surg (Chicago)* 89:630-6, Oct 64  
 Anaphylactic reactions in mice induced by Bordetella pertussis lipopolysaccharide. Malkiel S, et al. *J Allerg* 35:306-12, Jul-Aug 64  
 Biologic relationship of endotoxin and other toxic proteins. IV. Effect of heparin on endotoxin-induced hypersusceptibility to snake venoms. Condie RM, et al. *Proc Soc Exp Biol Med* 116:696-701, Jul 64  
 Effect of endotoxin upon total iron-binding capacity of the serum. Kampschmidt RF, et al. *Proc Soc Exp Biol Med* 116:420-2, Jun 64  
 Falsely positive pyrogenic responses induced in rabbits by latex particles. Kobayashi GS, et al. *Proc Soc Exp Biol Med* 116:716-8, Jul 64  
 Candida albicans shock. Dennis DL, et al. *Surg Forum* 15:36-7, 1964  
 The mechanism and treatment of verdoglobulinuria in Pseudomonas sepsis. Stone HH, et al. *Surg Forum* 15:48-9, 1964

## ENERGY METABOLISM

Energy cost of ambulation in the traumatic paraplegic. Clinkingbeard JR, et al. *Amer J Phys Med* 43:157-65, Aug 64  
 Oxydative phosphorylation in aortic homogenates. Wollemann M, et al. *J Atheroscler Res* 4:367-9, Jul-Aug 64  
 Effect of corn oil on metabolic efficiency of energy utilization by chicks. Carew LB Jr, et al. *J Nutr* 83:293-9, Aug 64  
 Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. Carew LB Jr, et al. *J Nutr* 83:300-6, Aug 64  
 Comparative physiology of oxygen transport in mammals. Bartels H. *Lancet* 2:601-4, 19 Sep 64  
 How many calories? Food requirements reconsidered in relation to activity. Passmore R. *Lancet* 2:853-4, 17 Oct 64  
 The effects of metopirone on glucose metabolism. Liguori G, et al. *Metabolism* 13:499-506, Jun 64  
 Carbon-14 studies of energy metabolism in various thyroid states. Gordon ES, et al. *Metabolism* 13:591-608, Jul 64  
 Correlation between total exchangeable potassium and resting energy expenditure. Lister J, et al. *Surg Forum* 15:83-4, 1964

## ENTAMOEBA

Axenic culture studies of Entamoeba species. Jackson GJ, et al. *Amer J Trop Med* 13:520-4, Jul 64

## ENTAMOEBA HISTOLYTICA

Axenic culture studies of Entamoeba species. Jackson GJ, et al. *Amer J Trop Med* 13:520-4, Jul 64

## ENTERITIS

The isolation of Clostridium perfringens type C from necrotic enteritis of man in Papua-New Guinea. Egerton JR, et al. *J Path Bact* 88:275-8, Jul 64

## ENTEROBACTERIACEAE

Lipolytic, pectolytic, and alginolytic activities of Enterobacteriaceae. Davis BR, et al. *J Bact* 88:16-9, Jul 64

## ENTROPION

Repair of senile entropion. Fox SA. *Arch Ophthalm (Chicago)* 72:501-2, Oct 64

## ENURESIS

An evaluation of imipramine in enuresis. Treffert DA. *Amer J Psychiat* 121:178-9, Aug 64

## ENVIRONMENTAL HEALTH

Industry and environmental health. Zapp JA Jr. *Arch Environ Health (Chicago)* 9:683-7, Nov 64  
 The medical profession looks at environmental health. Sterner JH. *Arch Environ Health (Chicago)* 9:592-5, Nov 64  
 The AMA looks at environmental health. White RL. *Arch Environ Health (Chicago)* 9:589-91, Nov 64  
 Creating man's environment in tomorrow's cities. Becket W. *Arch Environ Health (Chicago)* 9:609-14, Nov 64  
 The extent of human exposure to air pollution. MacKenzie VG. *Arch Environ Health (Chicago)* 9:596-9, Nov 64  
 Threshold limit values for 1964. *Arch Environ Health (Chicago)* 9:545-54, Oct 64  
 Opportunities in environmental and occupational pathology. Kotin P. *Lab Invest* 13:619-23, Jun 64  
 AMA congress on environmental health problems. *Public Health Rep* 79:889-94, Oct 64

## ENZYMATIC ZONULOLYSIS

Glaucoma following cataract extraction associated with use of alpha-chymotrypsin. Kirsch RE. *Arch Ophthalm (Chicago)* 72:612-20, Nov 64  
 Use of 200 times the recommended dose of alpha-chymotrypsin without complications. Ray PK. *Brit J Ophthalm* 48:230-1, Apr 64  
 Management of posterior dislocation of the lens after zonulolysis. Blach RK. *Brit J Ophthalm* 47:764-5, Dec 63  
 Vitreous detachment in aphakic eyes. Hauer Y, et al. *Brit J Ophthalm* 48:341-3, Jun 64  
 Scleral ledge in cataract incision: a cause of rupture of the capsule. Sihota GS. *Brit J Ophthalm* 47:567-9, Sep 63

## ENZYME INHIBITORS

An analysis of the lack of drug synergism during sequential blockade of de novo pyrimidine biosynthesis. Rubin RJ, et al. *Cancer Res* 24:1002-7, Jul 64  
 Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. Bunag RD, et al. *Circ Res* 15:83-8, Jul 64  
 Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64  
 Pseudofeedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. McCollister RJ, et al. *J Biol Chem* 239:1560-3, May 64  
 Enzymes and drug sensitivity. Drug and enzyme interactions in porphyrias. Rimington C. *Proc Roy Soc Med* 57:511-4, Jun 64  
 In vitro activation of lipolytic activity in the serum of dogs by bile salts. Traxel WL, et al. *Proc Soc Exp Biol Med* 116:388-92, Jun 64  
 Early experience with trasylol in the treatment of acute pancreatitis. Nugent FW, et al. *Southern Med J* 57:1317-21, Nov 64  
 Pancreatitis in the isolated perfused pancreas. Greep JM, et al. *Surg Forum* 15:88-9, 1964

## ENZYME PRECURSORS

In vitro activation of lipolytic activity in the serum of dogs by bile salts. Traxel WL, et al. *Proc Soc Exp Biol Med* 116:388-92, Jun 64



## ENZYME TESTS

Polarographic determination--cholinesterase activity. Fiserova-Bergerova V. *Arch Environ Health (Chicago)* 9:438-44, Oct 64

## ENZYMES

Uterine and placental enzymes; a review. Hafez ES. *Acta Endocr (Kobenhavn)* 46:217-29, Jun 64

Enzymes in muscle. I. Histochemical studies of enzymes in individual muscle fibers. Romanul FC. *Arch Neurol (Chicago)* 11:355-8, Oct 64

Enzymes in muscles. II. Histochemical and quantitative studies. Dawson DM, et al. *Arch Neurol (Chicago)* 11:369-78, Oct 64

The treatment of cerebral atherosclerosis with Vasolastine (a preliminary report). Mawdesley-Thomas LE, et al. *Brit J Clin Pract* 18:405-7, Jul 64

Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. De Lamirande G. *Cancer Res* 24:742-50, May 64

Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. Merrick JM, et al. *J Bact* 88:60-71, Jul 64

Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. *J Path Bact* 88:159-66, Jul 64

Prolonged pregnancy associated with increase in serum oxytocinase. Lambrinopoulos TC. *Obstet Gynec* 23:780-2, May 64

The relationship of enzymes and viruses to cancer. Introduction. Copeland MM. *Southern Med J* 57:1261-2, Nov 64

## EOSINOPHILIA

Eosinophilic pleural effusion: a review with the presentation of seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Eosinophilic pleural effusion: a review with the presentation of seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Experimental eosinophilia. VII. Lymph node responses to altered gamma globulins. Cohen SG, et al. *J Allerg* 35:346-55, Jul-Aug 64

## EOSINOPHILS

Bioassay of adrenocorticosteroids by the dog eosinophil response. Tonelli G, et al. *Proc Soc Exp Biol Med* 116:501-6, Jun 64

[The behavior of eosinophilic granulocytes in the peripheral blood during therapy with procaine penicillin] Greuter W, et al. *Int Arch Allerg* 24:Suppl:50-1, 1964 (Ger)

## EPENDYMOMA

Pseudo-Argyll Robertson pupils in optic nerve disease. Levatin P, et al. *Brit J Ophthalmol* 48:109-13, Feb 64

Tumors of the central nervous system in children. Yates PO. *J Clin Path* 17:418-22, Jul 64

Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. De L'Isle E, et al. *J Neurosurg* 20:461-70, Jun 63

Intramedullary tumors of spinal cord. A follow-up study after total surgical removal. Greenwood J Jr. *J Neurosurg* 20:665-8, Aug 63

A mobile ependymoma of the filum terminale. Wortzman G, et al. *J Neurosurg* 20:164-6, Feb 63

Angiographic appearance of a papilloma of the choroid plexus of the lateral ventricle. Hammon WM, et al. *J Neurosurg* 20:711-4, Aug 63

Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. Abraham J, et al. *J Neurosurg* 20:252-3, Mar 63

Punched-out erosion of lamina by spinal ependymoma: case report. Smith MC, et al. *J Neurosurg* 20:265-6, Mar 63

An experimental study of tissue-concentration ratios of As74 arsenate and labeled organic conjugates. McQueen JD, et al. *J Neurosurg* 21:641-6, Aug 64

Cryogenic freezing of brain tumors for excision or destruction in situ. Cooper IS, et al. *J Neurosurg* 20:921-30, Nov 63

Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. *J Neurosurg* 20:474-93, Jun 63

Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Phillips TL, et al. *Radiology* 83:98-105, Jul 64

## EPERYTHROZOON

Comparison of a lactate dehydrogenase elevating viruslike agent and Eperythrozoon coccoides. Riley V, et al. *Proc Soc Exp Biol Med* 116:486-90, Jun 64

## EPHEDRINE

A study of the mechanisms of the modifying actions of cocaine, ephedrine and imipramine on the cardiovascular response to norepinephrine and epinephrine. Eble JN. *J Pharmacol Exp Ther* 144:76-82, Apr 64

## EPIDEMIC HEMORRHAGIC FEVER

Epidemic hemorrhagic fever in Bolivia. I. A preliminary report of the epidemiologic and clinical findings in a new epidemic area in South America. Mackenzie RB, et al. *Amer J Trop Med* 13:620-5, Jul 64

Epidemic hemorrhagic fever in Bolivia. II. Demonstration of complement-fixing antibody in patients' sera with junin virus antigen. Wiebenga NH, et al. *Amer J Trop Med* 13:626-8, Jul 64

Dengue fever: a thrombocytopenic disease? Nelson ER, et al. *JAMA* 190:99-103, 12 Oct 64

## EPIDEMIOLOGY

The training of the physician. Education and training in preventive medicine and public health. Langmuir AD. *New Eng J Med* 271:772-4, 8 Oct 64

## EPIDERMAL NECROLYSIS, TOXIC

Toxic epidermal necrolysis. Helfman RJ. *Southern Med J* 57:1365-8, Nov 64

## EPIDERMOPHYTON

Electron microscopic observations of Epidermophyton floccosum. Werner HJ, et al. *J Invest Derm* 43:139-43, Aug 64

## EPIDIDYMISS

Torsion of the appendix testis. Silvola H, et al. *Ann Chir Gynaec Fenn* 53:400-7, 1964

Paratesticular tumours of connective tissue and muscle. Gowing NF, et al. *Brit J Urol* 36:Suppl:78-84, Jun 64

Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity. Correa PR, et al. *Metabolism* 13:496-8, Jun 64

## EPILEPSY

The electro-encephalogram in blind children. Jeavons PM. *Brit J Ophthalmol* 48:83-101, Feb 64

Effect of deep hypothermia on the electrical activity of the brain. Lipp JA. *Electroenceph Clin Neurophysiol* 17:46-51, Jul 64

Autonomic changes during paroxysmal EEG activity. Johnson LC, et al. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64

EEG study of tetany and spasmodophilia. Roth B, et al. *Electroenceph Clin Neurophysiol* 17:36-45, Jul 64

DC recordings of paroxysmal disorders in man. Cohn R. *Electroenceph Clin Neurophysiol* 17:17-24, Jul 64

Experimental subcortical epileptiform focus. Guerrero-Figueroa R, et al. *Epilepsia (Amst)* 5:112-39, Jun 64

Mental and seizure manifestations in relation to brain tumors. A statistical study. Güyvenç A, et al. *Epilepsia (Amst)* 5:166-76, Jun 64

Cholinergic mechanism in subcortical mirror focus and effects of topical application of gamma-aminobutyric acid and acetylcholine. Guerrero-Figueroa R, et al. *Epilepsia (Amst)* 5:140-55, Jun 64

A system of coding medical data for punched-card machine retrieval. 1. As applied to epilepsy. Ommaya AK, et al. *Epilepsia (Amst)* 5:192-200, Jun 64

The social and medical services for the epileptic patient in the Soviet Union. Remezova ES. *Epilepsia (Amst)* 5:201-8, Jun 64

Conditioning factors in stroboscopic-induced seizures. Forster FM, et al. *Epilepsia (Amst)* 5:156-65, Jun 64

Sodium and seizures. Glaser GH. *Epilepsia (Amst)* 5:97-111, Jun 64

Electromagnetic measurement of internal jugular venous flow in the monkey; effect of epilepsy and other procedures. Meyer JS, et al. *J Neurosurg* 21:524-39, Jul 64

Use and abuse of electroencephalography. *Lancet* 2:863, 17 Oct 64

Evidence for a genetic etiology of temporal-central abnormalities in focal epilepsy. Bray PF, et al. *New Eng J Med* 271:926-33, 29 Oct 64

Effect of anoxic-ischemic procedure on experimental epilepsy in the rat. Payan H, et al. *Proc Soc Exp Biol Med* 116:454-6, Jun 64

Epilepsy in South Africa—an urgent problem. *S Afr Med J* 38:597-8, 15 Aug 64

## EPILEPSY, GRAND MAL

Suppression of epileptic movements in the presence of grand mal seizure discharges. Lindstrom PA, et al. *J Neurosurg* 20:97-104, Feb 63

Extravascular local cooling of the brain in man. Ommaya AK, et al. *J Neurosurg* 20:8-20, Jan 63

Psychosis and convulsions following withdrawal from ethchlorvynol. Blumenthal MD, et al. *JAMA* 190:154-5, 12 Oct 64

## EPILEPSY, PETIT MAL

Micro-electrode studies of experimental 3/sec wave and spike in the cat. Pollen DA, et al. *Electroenceph Clin Neurophysiol* 17:57-67, Jul 64

## EPILEPSY, TEMPORAL LOBE

Depth electrographic observations in two cases of photo-oculoclonic response. Chatrian GE, et al. *Electroenceph Clin Neurophysiol* 17:71-5, Jul 64

Cognitive deficits and lateral brain dysfunction in temporal lobe epilepsy. Dennerl RD. *Epilepsia (Amst)* 5:177-91, Jun 64

Clinical applications of studies on stereotactically implanted electrodes in temporal-lobe epilepsy. Crandall PH, et al. *J Neurosurg* 20:827-40, Oct 63

Suppression of epileptic movements in the presence of grand mal seizure discharges. Lindstrom PA, et al. *J Neurosurg* 20:97-104, Feb 63

Extravascular local cooling of the brain in man. Ommaya AK, et al. *J Neurosurg* 20:8-20, Jan 63

Evidence for a genetic etiology of temporal-central abnormalities in focal epilepsy. Bray PF, et al. *New Eng J Med* 271:926-33, 29 Oct 64

## EPILEPSY, TRAUMATIC

Posttraumatic epilepsy and early cranioplasty. Erculei F, et al. *J Neurosurg* 20:1085-9, Dec 63

Suppression of epileptic movements in the presence of grand mal seizure discharges. Lindstrom PA, et al. *J Neurosurg* 20:97-104, Feb 63

## EPINEPHRINE

Effects of several cardiovascular drugs on various phases of circulatory dynamics. Aldinger EE. *Amer Heart J* 68:55-65, Jul 64

Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64

Insulin and epinephrine effects on platelet histamine release in a plasma-free system. Tidball ME. *Amer J Physiol* 207:177-80, Jul 64

Acidosis and blood epinephrine levels in hemorrhagic hypotension. Darby TD, et al. *Amer J Physiol* 206:1281-4, Jun 64

Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al. *Amer J Physiol* 206:1201-6, Jun 64

Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64

Isolated perfused bovine liver: responses to common vasoactive drugs. Condon RE, et al. *Arch Surg (Chicago)* 89:802-8, Oct 64

In vitro effects of vasopressor agents on the metabolism of the vascular wall. Hollander W, et al. *Circulation* 30:Suppl 2:1-10, Aug 64

Observations on adrenaline-induced fibrinolysis in man. Tanser AR, et al. *Clin Sci* 26:375-80, Jun 64

Relative potency of glucagon and epinephrine as hepatic glycogenolytic agents: studies with the isolated perfused rat liver. Sokal JE, et al. *Endocrinology* 74:930-8, Jun 64

Effects of catecholamines on urinary calcium and phosphorus in intact and parathyroidectomized rats. Morey ER, et al. *Endocrinology* 75:78-85, Jul 64

Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. Kosaka K, et al. *Endocrinology* 75:9-14, Jul 64

Effect of adrenaline on aortic structure and serum cholesterol in Macaca radiata. Jagannathan SN, et al. *J Atheroscler Res* 4:335-45, Jul-Aug 64

Effect of adrenaline on serum lipid stability in rabbits. Wilkens JA, et al. *J Atheroscler Res* 4:346-50, Jul-Aug 64

Chemical tests for phaeochromocytoma. Kelleher J, et al. *J Clin Path* 17:399-404, Jul 64

Catechol O-methyl transferase in skin. Bamshad J, et al. *J Invest Derm* 43:111-3, Aug 64

Experimental postoperative cerebral edema. Mann FD, et al. *J Neurosurg* 20:687-91, Aug 63

Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. *J Path Bact* 88:159-66, Jul 64

Adrenergic mechanisms and the outflow of aqueous humor from the rabbit eye. Eakins KE, et al. *J Pharmacol Exp Ther* 144:60-5, Apr 64

A study of the mechanisms of the modifying actions of cocaine, ephedrine and imipramine on the cardiovascular response to norepinephrine and epinephrine. Eble JN. *J Pharmacol Exp Ther* 144:76-82, Apr 64

Effect of epinephrine and norepinephrine on excitability of central nervous system of mice. Swinyard EA, et al. *J Pharmacol Exp Ther* 144:52-9, Apr 64



Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64

DRUG EFFECTS ON EPINEPHRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al. *Proc Soc Exp Biol Med* 116:705-12, Jul 64

A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al.

*Proc Soc Exp Biol Med* 116:331-3, Jun 64

Use of the electroenterogram to determine pacemaker activity of the small intestine. Bunker CE, et al. *Surg Forum* 15:293, 1964

A comparison of the physiologic effects of angiotensin with other vasoconstrictors. Rea VE, et al. *Surg Forum* 15:17-8, 1964

## EPIPHYSES

Traumatic separation of the upper femoral epiphysis as an obstetrical lesion. Mortens J, et al.

*Acta Orthop Scand* 34:238-50, 1964

Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al.

*J Lab Clin Med* 64:14-20, Jul 64

## EPISTAXIS

Severe epistaxis caused by ruptured aneurysm of the internal carotid artery. McCormick WF, et al. *J Neurosurg* 21:878-86, Aug 64

Hereditary hemorrhagic telangiectasia. Report of a case with severe complication following radical treatment. Crawford HH, et al.

*Plast Reconstr Surg* 34:136-41, Aug 64

The split-thickness skin graft in the management of hereditary hemorrhagic telangiectasia involving the nasal mucosa. Letterman G, et al.

*Plast Reconstr Surg* 34:126-35, Aug 64

## EPITHELIUM

Keratin formation in a chemically defined medium. Pullar P. *J Path Bact* 88:203-12, Jul 64

## EQUILIBRIUM

Living without a balancing mechanism. Crawford J. *Brit J Ophthal* 48:357-60, Jul 64

## EQUIPMENT AND SUPPLIES

The SYM tourniquet. Smith RM Jr, et al.

*Anesthesiology* 25:573-4, Jul-Aug 64

Equipment for diagnostic radiograph—the level of membership examination papers. Chesney MO. *Radiography* 30:183-7, Jul 64

## ERGONOVINE

The obstetrician bids, and the uterus contracts. Moir JC. *Brit Med J* 5416:1025-9, 24 Oct 64

## ERGOTAMINE

Prolonged arteriospasm after ergotamine. Cameron EA, et al. *Brit Med J* 5413:875-6, 3 Oct 64

Observations on adrenaline-induced fibrinolysis in man. Tanser AR, et al. *Clin Sci* 26:375-80, Jun 64

## ERYTHROBLASTOSIS, FETAL

Amniotic fluid analysis as an aid to the ante-partum diagnosis of haemolytic disease. Stewart AG, et al. *J Obstet Gynaec Brit Comm* 71:604-8, Aug 64

Spectrophotometric analysis of amniotic fluid in erythroblastosis fetalis. Lewis F, et al.

*JAMA* 190:195-8, 19 Sep 64

Prevention of erythroblastosis fetalis. A preliminary study using carbazochrome salicylate. Massey GD. *Obstet Gynec* 23:712-5, May 64

[Our present practice of amniotic fluid puncture in the treatment of erythroblastosis caused by isoimmunization] Mayer M, et al. (Fr)

*Presse Med* 72:2369-72, 3 Oct 64

[Influence of the ABO blood group system on the occurrence of hemolytic disease of the newborn caused by Rh incompatibility] Bossi E. (Ger)

*Helv Paediat Acta* 19:34-41, Jun 64

## ERYTHROCYTE AGGREGATION, INTRAVASCULAR

Intravascular erythrocyte aggregation after intravenous injection of contrast media. Lindgren P, et al.

*Acta Radiol [Diagn] (Stockholm)* 2:334-44, Jul 64

Rheologic approach to thrombosis and atherosclerosis. Dintenfass L. *Angiology* 15:333-43, Aug 64

Rheology of blood-dextran mixtures. Zingg W, et al. *Surg Forum* 15:228-30, 1964

Beneficial effect of low molecular weight dextran on

acute ischemic limb. Kwak HH, et al.

*Surg Forum* 15:230-1, 1964

## ERYTHROCYTE COUNT

Electronic enumeration of erythrocytes. Holthusen GG, et al. *Amer J Clin Path* 42:118-20, Jul 64

Actual and predicted-normal red-cell and plasma volumes in primary and secondary polycythaemia. Hume R, et al. *Clin Sci* 26:499-508, Jun 64

Changes of blood elements and the circulatory system in climbing. 3. Sumiyoshi K, et al.

*Jap Circ J* 28:669-75, Sep 64

## ERYTHROCYTES

An electrophoretic study of human erythrocytes, incubated with corticosteroids and sulphydryl reaction substances. Agarwal KN, et al.

*Acta Endocr (Copenhagen)* 47:Suppl 93:53-8, 1964

Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al.

*Acta Endocr (Copenhagen)* 47:Suppl 93:3-27, 1964

Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation of some of the esters. Agarwal KN, et al.

*Acta Endocr (Copenhagen)* 47:Suppl 93:37-52, 1964

Lack of effect of corticosteroids on the in vivo disappearance of sulphydryl-inhibited and antibody-coated erythrocytes. Agarwal KN.

*Acta Endocr (Copenhagen)* 47:Suppl 93:28-36, 1964

Normal blood volumes in the horse. Marclisse NA, et al.

*Amer J Physiol* 207:223-7, Jul 64

Arterial hematocrit and separation of cells and plasma in the dog kidney. Chinard FP, et al.

*Amer J Physiol* 207:128-32, Jul 64

Initial clinical experiences with liquid nitrogen preserved blood, employing PVP as a protective additive. Richards V, et al.

*Amer J Surg* 108:313-22, Aug 64

The fine structure of the erythrocytic forms of Plasmodium gallinaceum as revealed by electron microscopy. Ristic M, et al.

*Amer J Trop Med* 13:509-14, Jul 64

Organophosphorus insecticides in Colorado. Holmes JH. *Arch Environ Health (Chicago)* 9:445-53, Oct 64

Studies on the hemolytic nature of protein-deficiency anemia in the rat. Delmonte L, et al.

*Blood* 24:49-68, Jul 64

Rate of sickling of red cells during deoxygenation of blood from persons with various sickling disorders. Charache S, et al. *Blood* 24:25-48, Jul 64

Acquired acanthocytosis and myelophthisis in a case of Eales's disease. Kahán A, et al.

*Brit J Ophthal* 47:632-7, Oct 63

Erythrocytic anomalies in hereditary vitreo-retinal degeneration (degeneratio hyaloideoretinalis). Kahán A, et al. *Brit J Ophthal* 47:620-31, Oct 63

Phagocytosis in vivo of heterologous red cells in mice with transplanted tumors. Stern K.

*Cancer Res* 24:1063-9, Jul 64

Influence of alkylating agents on kidney erythropoietin production. Fisher JW, et al.

*Cancer Res* 24:983-8, Jul 64

Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. Bunag RD, et al.

*Circ Res* 15:83-8, Jul 64

In vitro studies of cell types responsive to erythropoietin. Takaku F, et al.

*Endocrinology* 74:968-72, Jun 64

Incubation hemolysis and red cell metabolism in acanthocytosis. Simon ER, et al.

*J Clin Invest* 43:1311-21, Jul 64

Synthesis of ribonucleic acid in rabbit blood cells in vivo. DeBellis RH, et al. *J Clin Invest* 43:1329-37, Jul 64

The role of serum in acanthocyte autohemolysis and membrane lipid composition. Ways P, et al.

*J Clin Invest* 43:1322-8, Jul 64

The effect of lead on the fragility of the red cell incubated in vitro. Waldron HA.

*J Clin Path* 17:405-6, Jul 64

The effect on animal erythrocytes of combinations of diffusible substances produced by bacteria. Fraser G. *J Path Bact* 88:43-53, Jul 64

Antigenic characteristics of spermatozoa from bulls, rams and boars. I. Erythrocytic antigens in bull spermatozoa. Matousek J.

*J Reprod Fertil* 8:1-3, Aug 64

Macrocytosis of the erythrocytes. A preliminary report. Hattersley PG. *JAMA* 189:997-9, 28 Sep 64

Autologous marrow-transplant in acute lymphatic leukaemia producing spherocytic red cells. Leonard BJ, et al. *Lancet* 2:843-4, 17 Oct 64

The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine. Levy RP, et al.

*Metabolism* 13:557-61, Jun 64

Study of the effect of uremic metabolites on erythrocyte glycolysis. Morgan JM, et al.

*Metabolism* 13:629-35, Jul 64

Erythrocyte triiodothyronine uptake test in obstetrics and gynecology. Gitman L, et al.

*Obstet Gynec* 23:662-8, May 64

Distribution of 5,5-dimethyl-2,4-oxazolinedione (DMO) between plasma and erythrocytes. Sansone WR, et al. *Proc Soc Exp Biol Med* 116:582-5, Jul 64

Effect of Na<sup>+</sup> and K<sup>+</sup> on the adenylate kinase of human erythrocytes. Askari A, et al.

*Proc Soc Exp Biol Med* 116:751-3, Jul 64

Plasma protein binding, half-life, and erythrocyte uptake of thyroxine and triiodothyronine in chickens. Heninger RW, et al.

*Proc Soc Exp Biol Med* 116:624-8, Jul 64

Fate of blood in the subarachnoid space. Kennady JC, et al. *Surg Forum* 15:424-5, 1964

Role of the red blood cell antigens in homograft rejection. Jacobson E Jr, et al.

*Surg Forum* 15:138-9, 1964

The use of formalin-preserved human erythrocytes in the toxoplasm haemagglutination test. Smit GL.

*Trop Geogr Med* 16:152-8, Jun 64

Further data on the frequency of increased erythrocyte osmotic resistance in the Maltese Islands. Vella F.

*Trop Geogr Med* 16:109-14, Jun 64

[The determination of human erythrocyte survival time with radioactive diisopropylfluorophosphate (DFP32) and its use in clinical practice] Heimpel H, et al. *Deutsch Med Wschr* 89:1463-9, 31 Jul 64 (Ger)

## ERYTHROMYCIN

A clinical study of erythromycin: a comparative evaluation of several salts. Billow BW, et al. *Curr Ther Res* 6:381-4, May 64

Failure of erythromycin estolate therapy in in utero syphilis. South MA, et al. *JAMA* 190:70-1, 5 Oct 64

## ERYTHROPOIESIS

Idiopathic dyserythropoietic jaundice. Berendsohn S, et al. *Blood* 24:1-18, Jul 64

Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al.

*Brit Med J* 5417:1108-11, 31 Oct 64

Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al.

*Brit Med J* 5417:1108-11, 31 Oct 64

The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. Rosse WF, et al. *J Clin Invest* 43:1348-54, Jul 64

Effect of anemic hypoxia on erythropoiesis of normal and uremic dogs with or without kidneys. Naets JP, et al. *J Nucl Med* 5:471-9, Jun 64

Autologous marrow-transplant in acute lymphatic leukaemia producing spherocytic red cells. Leonard BJ, et al. *Lancet* 2:843-4, 17 Oct 64

In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. Nielsen NO, et al. *Proc Soc Exp Biol Med* 116:498-501, Jun 64

## ERYTHROPOIETIN

Influence of alkylating agents on kidney erythropoietin production. Fisher JW, et al.

*Cancer Res* 24:983-8, Jul 64

In vitro studies on the effect of erythropoietin on glucosamine-1-14C incorporation into rat bone marrow cells. Dukes PP, et al.

*Endocrinology* 74:960-7, Jun 64

In vitro studies of cell types responsive to erythropoietin. Takaku F, et al.

*Endocrinology* 74:968-72, Jun 64

The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. Rosse WF, et al. *J Clin Invest* 43:1348-54, Jul 64

Humoral control of erythropoietic activity in man during and after altitude exposure. Reynafarje C, et al. *Proc Soc Exp Biol Med* 116:649-50, Jul 64

Erythropoietic activity in human urine concentrate. Lewis JP, et al.

*Proc Soc Exp Biol Med* 116:742-5, Jul 64

## ESCHERICHIA

Synthesis of 4-oxonorleucine and comparison with an amino acid isolated from *Citrobacter freundii*. Barry GT, et al. *J Biol Chem* 239:1541-4, May 64

## ESCHERICHIA COLI

Isoleucine and valine metabolism in *Escherichia coli*. XII. Characterization of a factor involved in acetolactate formation. Leavitt RI.

*J Bact* 88:172-8, Jul 64

Enzymes of the pyrimidine pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. Taylor WH, et al.

*J Bact* 88:105-10, Jul 64

Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. Ginoza HS, et al. *J Bact* 87:1339-45, Jun 64

Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Ishai R, et al. *J Bact* 87:1436-42, Jun 64

Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. Taylor WH, et al. *J Bact* 88:99-104, Jul 64



Incorporation of S 35 into ribosomal proteins of *Escherichia coli*. Duerre JA. **J Bact** 88:130-6, Jul 64

Synthesis of ribonucleic acid by x-irradiated bacteria. Frampton EW. **J Bact** 87:1369-76, Jun 64

Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. Taylor WH, et al. **J Bact** 88:99-104, Jul 64

Incorporation of S 35 into ribosomal proteins of *Escherichia coli*. Duerre JA. **J Bact** 88:130-6, Jul 64

Isoleucine and valine metabolism in *Escherichia coli*. XII. Characterization of a factor involved in acetolactate formation. Leavitt RI. **J Bact** 88:172-8, Jul 64

Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. Ginoza HS, et al. **J Bact** 87:1339-45, Jun 64

Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Ishai R, et al. **J Bact** 87:1436-42, Jun 64

Enzymes of the pyrimidine pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. Taylor WH, et al. **J Bact** 88:105-10, Jul 64

Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al. **J Clin Path** 17:461-5, Jul 64

## ESCHERICHIA COLI INFECTIONS

Subphrenic abscess: a thoracoabdominal clinical complex: the changing picture with antibiotics. Carter R, et al. **Amer J Surg** 108:165-74, Aug 64

ACTH release in vivo and in vitro: extrapituitary mediation during *Esch. coli* bacteremia. Ando S, et al. **Endocrinology** 74:894-901, Jun 64

Diarrheal disease and health services in Latin America. Yankauer A, et al. **Public Health Rep** 79:917-23, Oct 64

Effect of diabetes on experimental infection. Krizek TJ, et al. **Surg Forum** 15:60-1, 1964

[Colibacillary septicemia and bacteremia in adults. Apropos of 14 cases of septicemia] Hazard J, et al. **Presse Med** 72:2089-93, 29 Aug 64 (Fr)

## ESOPHAGEAL FISTULA

Oesophago-bronchial fistula complicating hiatal hernia. McConchie I. **Aust New Zeal J Surg** 34:54-8, Aug 64

## ESOPHAGEAL NEOPLASMS

Left colon total bypass for benign and malignant disease of the esophagus. May IA, et al. **Amer J Surg** 108:204-14, Aug 64

The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Boyland E, et al. **Brit J Cancer** 18:265-70, Jun 64

One-stage primary reconstruction of the cervical esophagus by means of a free tubular graft of penile skin. Kaplan I, et al. **Brit J Plast Surg** 17:314-9, Jul 64

Treatment of post-cricoid carcinoma by combined intravivitory and external irradiation. Dalby JE. **Clin Radiol** 15:251-5, Jul 64

Pre-operative irradiation in the treatment of patients with carcinoma of the esophagus and of some other sites. Nakayama K. **Clin Radiol** 15:232-41, Jul 64

Treatment of post-cricoid carcinoma by combined intracavitary and external irradiation. Dalby JE. **Clin Radiol** 15:251-5, Jul 64

Use of the cervical approach in the treatment of carcinosarcoma of the upper esophagus. Report of a case. Smith PW, et al. **Dis Chest** 46:91-4, Jul 64

Carcinoma of the esophagus in association with achalasia. Report of a case. Katz RI, et al. **Dis Chest** 46:235-7, Aug 64

[Surgery of esophageal cancer with 2 teams] Bezdard J, et al. **Presse Med** 72:2117-8, 29 Aug 64 (Fr)

## ESOPHAGEAL PERFORATION

Surgical management of massive gastrointestinal hemorrhage from cardioesophageal lacerations. Grimes OF. **Amer J Surg** 108:285-96, Aug 64

## ESOPHAGEAL STENOSIS

Left colon total bypass for benign and malignant disease of the esophagus. May IA, et al. **Amer J Surg** 108:204-14, Aug 64

Tracheal and esophageal obstructions in infants. Ochsner JL, et al. **Southern Med J** 57:1333-9, Nov 64

Experimental caustic burns of the esophagus. Bachman K, et al. **Surg Forum** 15:307-8, 1964

## ESOPHAGEAL VARICES

Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. Redeker AG, et al. **J Clin Invest** 43:1464-71, Jul 64

Blood ammonia during bleeding from esophageal varices in patients with hepatosplenic schistosomiasis. Warren KS, et al. **New Eng J Med** 271:921-6, 29 Oct 64

Hemodynamic effects of pitressin infusion during

gastroesophageal hemorrhage. Coomaraswamy RP, et al. **Surg Forum** 15:116-8, 1964

## ESOPHAGITIS

Monillal oesophagitis. Grieve NW. **Brit J Radiol** 37:551-4, Jul 64

## ESOPHAGITIS, PEPTIC

Left colon total bypass for benign and malignant disease of the esophagus. May IA, et al. **Amer J Surg** 108:204-14, Aug 64

## ESOPHAGOPLASTY

One-stage primary reconstruction of the cervical esophagus by means of a free tubular graft of penile skin. Kaplan I, et al. **Brit J Plast Surg** 17:314-9, Jul 64

## ESOPHAGUS

Presbyesophagus: esophageal motility in nonagenarians. Soergel KH, et al. **J Clin Invest** 43:1472-9, Jul 64

Mallory-Weiss syndrome and hypofibrinogenemia. Complication during surgery. Goodman JM. **JAMA** 190:72-3, 5 Oct 64

Abdominal surgery. Welch CE. **New Eng J Med** 271:829-33 contd, 15 Oct 64

Tracheal and esophageal obstructions in infants. Ochsner JL, et al. **Southern Med J** 57:1333-9, Nov 64

## ESTERASES

Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. **Cancer Res** 24:570-81, May 64

Electrophoretic separation of hydrolytic enzymes of the female rat reproductive tract. Robboy SJ, et al. **Endocrinology** 75:97-103, Jul 64

Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. Merrick JM, et al. **J Bact** 88:60-71, Jul 64

A histochemical analysis of the effect of irradiation on murine duodenal mucosa. Spiro HM, et al. **J Path Bact** 88:55-60, Jul 64

Enhancement of vascular permeability by mixtures of C'1 esterase and normal serum. Smink RD Jr, et al. **Proc Soc Exp Biol Med** 116:280-3, Jun 64

[Histochemical enzyme studies on rat bone marrow] Ketels-Harken H. **Blut** 10:49-55, Mar 64 (Ger)

## ESTRADIOL

Some aspects of steroid biosynthesis in human ovarian tissue. Forleo R, et al. **Acta Endocr (Copenhagen)** 46:265-78, Jun 64

Oral contraceptives and liver damage. Adlercreutz H. **Brit Med J** 5417:1133, 31 Oct 64

Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. Demetriou JA, et al. **Cancer Res** 24:926-34, Jun 64

Cortisol effects on the uterine response to estrogen. Nicolette JA, et al. **Endocrinology** 74:955-9, Jun 64

Relative transfer and binding of estradiol-6,7-3H and estriol-16-14C by the guinea pig placenta. Levitz M, et al. **Endocrinology** 74:949-54, Jun 64

Changes in glycoproteins in serum, urine and aqueous humor after gonadectomy or sex hormone injections in rats. Houssay AB, et al. **Endocrinology** 74:825-32, Jun 64

Steroid biosynthesis in the fetal ovary. Roberts JD, et al. **Endocrinology** 74:846-52, Jun 64

Differential action of small doses of estradiol on gonadotrophins in the rat. Parlow AF. **Endocrinology** 75:1-8, Jul 64

Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Freeman JJ, et al. **Endocrinology** 74:990-3, Jun 64

Separation and estimation of 17-alpha-estradiol. Schott EW, et al. **Endocrinology** 74:870-7, Jun 64

Urinary oestrogen excretion in threatened abortion. Hähnel R, et al. **J Obstet Gynaec Brit Comm** 71:599-603, Aug 64

Biosynthesis of estrogens in pregnancy: precursor role of plasma dehydroisoandrosterone. Warren JC, et al. **Obstet Gynec** 23:689-98, May 64

Triphenyltetrazolium reduction by uterine tissue of rats. Schultze AB. **Proc Soc Exp Biol Med** 116:653-5, Jul 64

Mammary tumor induction by estrogen or anterior pituitary hormones in ovariectomized rats given 7, 12-dimethyl-1,2-benzanthracene. Talwalker PK, et al. **Proc Soc Exp Biol Med** 116:531-4, Jun 64

## ESTRIOL

Relative transfer and binding of estradiol-6,7-3H and estriol-16-14C by the guinea pig placenta. Levitz M, et al. **Endocrinology** 74:949-54, Jun 64

Urinary oestrogen excretion in threatened abortion.

Hähnel R, et al. **J Obstet Gynaec Brit Comm** 71:599-603, Aug 64

Biosynthesis of estrogens in pregnancy: precursor role of plasma dehydroisoandrosterone. Warren JC, et al. **Obstet Gynec** 23:689-98, May 64

## ESTROGENS

A note on the chemical estimation of oestrogens in the urine of patients with liver disease. Adlercreutz H, et al. **Acta Endocr (Copenhagen)** 46:230-4, Jun 64

Estrogenic hormones, urethral cornification, and arteriosclerotic vascular disease in men. Daildorf FG. **Amer J Clin Path** 42:64-8, Jul 64

Hormonal influence in simple glaucoma. A preliminary report. Paterson GD, et al. **Brit J Ophthalmol** 47:129-37, Mar 63

Oral contraceptives and breast cancer. Stoll BA. **Brit Med J** 5413:875, 3 Oct 64

To-day's drugs. Agents for lowering serum cholesterol. **Brit Med J** 5418:1181-3, 7 Nov 64

Characterization of a transplantable lactating mammary tumor: endocrinological, morphological, and biochemical aspects. Hilf R, et al. **Cancer Res** 24:812-23, Jun 64

Clinical, morphological and biochemical studies on a malignant testicular tumor. Engel FL, et al. **J Clin Endocr** 24:528-42, Jun 64

A comparison between vaginal cytology and urinary hormone excretion during pregnancy. MacRae DJ, et al. **J Obstet Gynaec Brit Comm** 71:586-98, Aug 64

Erythrocyte triiodothyronine uptake test in obstetrics and gynecology. Gitman L, et al. **Obstet Gynec** 23:662-8, May 64

Alterations in serum lactic dehydrogenase and its isozymes in patients with prostatic carcinoma after hormonal therapy. Prout GR Jr, et al. **Surg Forum** 15:486-8, 1964

Vaginal electro potentials—a new technique for assessing the estrogenic status of patients. Mozden PJ, et al. **Surg Forum** 15:379-81, 1964

Radioautographic localization of estrogen in the hamster kidney. Tucker KR, et al. **Surg Forum** 15:393-4, 1964

## ESTROGENS, THERAPEUTIC

[Ovarian insufficiency. Clinical features, therapy and prognosis] Staemmler HJ. **Deutsch Med Wschr** 89:1925-32, 9 Oct 64 (Ger)

## ESTRONE

Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. Demetriou JA, et al. **Cancer Res** 24:926-34, Jun 64

Urinary oestrogen excretion in threatened abortion. Hähnel R, et al. **J Obstet Gynaec Brit Comm** 71:599-603, Aug 64

Biosynthesis of estrogens in pregnancy: precursor role of plasma dehydroisoandrosterone. Warren JC, et al. **Obstet Gynec** 23:689-98, May 64

## ESTRUS

Changes in glycoproteins in serum, urine and aqueous humor after gonadectomy or sex hormone injections in rats. Houssay AB, et al. **Endocrinology** 74:825-32, Jun 64

Seasonal changes in the occurrence of oestrus following progesterone suppression of ovarian function in the merino ewe. Lamond DR. **J Reprod Fertil** 8:101-14, Aug 64

In vitro lactogen production by anterior pituitaries from lactating rats and estrous cyclic rats. Gala RR, et al. **Proc Soc Exp Biol Med** 116:637-41, Jul 64

## ETHICS, MEDICAL

"What shall the doctor's image be"? Abbott E. **Brit Med J** 5418:1062-3, 24 Oct 64

Medical professional privilege. **Brit Med J** 5414:955-6, 10 Oct 64

Professional ethics in medicine in our time. Chávez I. **JAMA** 190:226-31, 19 Sep 64

Ethics in clinical research. **Med J Aust** 2:309-10, 22 Aug 64

Declaration of Helsinki. **Med J Aust** 2:320-1, 22 Aug 64

A gynaecologist looks back. Impey RL. **S Afr Med J** 38:708-9, 29 Aug 64

## ETHINYL ESTRADIOL

Oral contraceptives and liver damage. Rice-Wray E. **Brit Med J** 5415:1011, 17 Oct 64

Oral contraceptives and liver damage. Adlercreutz H. **Brit Med J** 5417:1133, 31 Oct 64

Cerebrovascular accidents and oral contraception. Zilkha KJ. **Brit Med J** 5417:1132-3, 31 Oct 64

Oral contraceptives and liver damage. Adlercreutz H. **Brit Med J** 5417:1133, 31 Oct 64

Cerebrovascular accidents and oral contraception. Zilkha KJ. **Brit Med J** 5417:1132-3, 31 Oct 64

Autoimmune progesterone dermatitis. Cure by



oophorectomy. Shelley WB, et al. *JAMA* 190:35-8, 5 Oct 64  
Ethinyl estradiol: a potent orally active contraceptive in rats. Watnick AS, et al. *Proc Soc Exp Biol Med* 116:343-7, Jun 64

ETHIONINE

The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. Margreth A, et al. *Cancer Res* 24:920-5, Jun 64  
Amino acid accumulation in ethionine-resistant *Saccharomyces cerevisiae*. Sorsoli WA, et al. *J Bact* 88:20-4, Jul 64  
Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64  
Fatal leptospirosis icterohaemorrhagica induced by ethionine in albino rats. Bertók L, et al. *J Path Bact* 88:329-31, Jul 64  
S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64  
Effects of adenosine triphosphate on ethionine-induced resorption. Schultz RL, et al. *Proc Soc Exp Biol Med* 116:273-5, Jun 64  
Uptake of ethionine-ethyl-H3 by the rat conceptus. Schultz RL, et al. *Proc Soc Exp Biol Med* 116:604-7, Jul 64  
Effect of ethionine-induced pancreatic damage on intestinal enzyme activity of the rat. Libre EP, et al. *Proc Soc Exp Biol Med* 116:452-4, Jun 64

ETHMOID SINUS

Malignant salivary gland tumours of the nasal sinuses and exophthalmos. Mortada A. *Brit J Ophthal* 47:279-84, May 63

ETHNOLOGY

Comparative incidence of angle-closure glaucoma among different national groups in Victoria, Australia. Lowe RF. *Brit J Ophthal* 47:721-7, Dec 63

ETHYL ETHER

Ether screen with chin holder. Thompson RC. *Anesthesiology* 25:571-2, Jul-Aug 64  
Respiratory gas studies with ether convulsion. Waun J, et al. *Anesthesiology* 25:580-1, Jul-Aug 64  
The ether controversy revisited (Morton WT), (Jackson CT). (Morton WT), et al. *Anesthesiology* 25:560-3, Jul-Aug 64  
Ether-air anesthesia for small experimental animals. Walker FW. *J Appl Physiol* 19:827-8, Jul 64

ETHYLENE OXIDE

The properties of catgut sutures sterilized by heat, ethylene oxide and electron beams. Thoennes LA. *J Int Coll Surg* 42:382-6, Oct 64

ETIOCHOLANOLONE

Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. Wilson H, et al. *Acta Endocr (Kobenhavn)* 46:197-206, Jun 64  
The effect of exogenous precursors on etiocholanolone androsterone ratios in man. Kirschner MA, et al. *Acta Endocr (Kobenhavn)* 46:207-16, Jun 64

EXCHANGE TRANSFUSION

Intensive plasma therapy in the hemophilias. Roberts HR, et al. *JAMA* 190:546-8, 9 Nov 64

EXERCISE THERAPY

Energy cost of ambulation in the traumatic paraplegic. Clinkingbeard JR, et al. *Amer J Phys Med* 43:157-65, Aug 64

EXERTION

Influence of physical activity on a treadmill on the metabolism of adipose tissue in rats. Pafizková J, et al. *Brit J Nutr* 18:325-32, 1964  
d-Aldosterone and sweat electrolytes. McConahay TP, et al. *J Appl Physiol* 19:575-9, Jul 64  
Effect of exercise on zonal distribution of pulmonary blood flow. Read J, et al. *J Appl Physiol* 19:672-8, Jul 64  
Effect of exercise on free fatty acid levels in the pigeon. George JC, et al. *J Appl Physiol* 19:619-22, Jul 64  
Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. Larsson Y, et al. *J Appl Physiol* 19:629-35, Jul 64  
Balance and kinetics of anaerobic energy release during strenuous exercise in man. Margaria R, et al. *J Appl Physiol* 19:623-8, Jul 64  
Turnover rate and oxidation of different free fatty

acids in man during exercise. Havel RJ, et al. *J Appl Physiol* 19:613-8, Jul 64  
Effects of chlorothalidate on working capacity of normal subjects. Danzinger RG, et al. *J Appl Physiol* 19:636-8, Jul 64  
Base-line effects on response of stroke volume to leg exercise in the supine position. Frick MH, et al. *J Appl Physiol* 19:639-43, Jul 64  
Continuous measurement of ventilatory exchange ratio during exercise. Nalmark A, et al. *J Appl Physiol* 19:644-52, Jul 64  
Effect of physical activity upon cholesterol synthesis in the rat liver. Aleksandrow D, et al. *J Atheroscler Res* 4:351-5, Jul-Aug 64  
Cardiorespiratory response of very obese subjects to treadmill exercise. Turell DJ, et al. *J Lab Clin Med* 64:107-16, Jul 64  
Monitored and post-exercise two-step test. Master AM, et al. *JAMA* 190:494-500, 9 Nov 64  
Daily running causing Wenckebach heart-block. Cullen KJ, et al. *Lancet* 2:729-30, 3 Oct 64  
How many calories? Food requirements reconsidered in relation to activity. Passmore R. *Lancet* 2:853-4, 17 Oct 64

EXOPHTHALMOS

Bilateral carotico-cavernous fistulae. Hypopituitarism from bilateral carotid ligation for surgical cure. Jamieson KG. *Aust New Zeal J Surg* 34:1-10, Aug 64  
Orbital benign haemangio-endotheliomata. Mortada A. *Brit J Ophthal* 47:164-8, Mar 63  
Malignant salivary gland tumours of the nasal sinuses and exophthalmos. Mortada A. *Brit J Ophthal* 47:279-84, May 63  
Orbital varicocele. Jain BS, et al. *Brit J Ophthal* 48:232-3, Apr 64  
Solitary metastatic orbital tumour due to sympathetic neuroblastoma. Sivaramasubramaniam P. *Brit J Ophthal* 47:312-3, May 63  
Unilateral proptosis of unexplained origin. II. Mortada A. *Brit J Ophthal* 47:445-8, Jul 63  
The value of angiography in the differential diagnosis of pulsating exophthalmos; a report of 3 cases. Higazi I, et al. *J Neurosurg* 21:561-6, Jul 64

EXPLOSIONS

Anesthetic explosions: a continuing threat. Walter CW. *Anesthesiology* 25:505-14, Jul-Aug 64  
Unusual explosion during electrosurgery. Carroll KJ. *Brit Med J* 5418:1178, 7 Nov 64

EXTRACTION, OBSTETRICAL

The vacuum extractor--experimental demonstration of distortion of the foetal skull. Awon MP. *J Obstet Gynaec Brit Comm* 71:634-6, Aug 64

EXTRAPYRAMIDAL TRACTS

[Muscle tonus. Physiologist and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al. *Presse Med* 72:2213-8 concl, 19 Sep 64 (Fr)

EXTREMITIES

Replacing limbs. *Brit Med J* 5413:832-3, 3 Oct 64  
Musculo-skeletal functions in the amputated perfused human being limb. DeLorme TL, et al. *Surg Forum* 15:450-2, 1964  
[Clinico-experimental studies on the collateral arterial circulation of extremities] Kappert A. *Angiologica (Basel)* 1:227-38, 1964 (Ger)

EXUDATES AND TRANSUDATES

The effect of various anti-inflammatory drugs on the accumulation of leucocytes in the peritoneal cavity of mice. Northover BJ. *J Path Bact* 88:332-5, Jul 64  
Protein components of oviduct fluid in the primate. Marcus SL. *Surg Forum* 15:381-3, 1964

EYE

Vasculature of the cat eye. Wong VG, et al. *Arch Ophthal (Chicago)* 72:351-8, Sep 64  
The cilio-retinal arteries. Hayreh SS. *Brit J Ophthal* 47:71-89, Feb 63  
Adrenergic mechanisms and the outflow of aqueous humor from the rabbit eye. Eakins KE, et al. *J Pharmacol Exp Ther* 144:80-5, Apr 64

EYE BURNS

The handling of eye injuries. Fox SA. *J Int Coll Surg* 42:410-1, Oct 64

EYE DISEASES

Geographic ophthalmology. A review of the possibilities. Mann I. *Arch Ophthal (Chicago)* 72:632-6, Nov 64

The occurrence of an autoantibueval antibody in human uveitis. Aronson SB, et al. *Arch Ophthal (Chicago)* 72:621-5, Nov 64  
Retinal dysplasia. Ricks RM, et al. *Arch Ophthal (Chicago)* 72:637-41, Nov 64  
Selected topics in ophthalmic biochemistry. Kinoshita JH. *Arch Ophthal (Chicago)* 72:554-72, Oct 64  
Neuro-ophthalmology. Hoyt WF. *Arch Ophthal (Chicago)* 72:679-719, Nov 64  
Allergic response of retinal vessel 6. After intravitreal foreign protein. Mutlu F, et al. *Arch Ophthal (Chicago)* 72:513-20, Oct 64  
The intraoperative forced duction test. Report of a case of congenital fibrous bands. Goldstein JH. *Arch Ophthal (Chicago)* 72:647-9, Nov 64  
Laser coagulation of ocular tissues. Flocks M, et al. *Arch Ophthal (Chicago)* 72:604-11, Nov 64  
The fading concept of the "unnecessary referral". Tour RL. *Arch Ophthal (Chicago)* 72:452-3, Oct 64  
Lesions mistaken for malignant melanoma of the posterior uvea. A clinicopathologic analysis of 100 cases with ophthalmoscopically visible lesions. Ferry AP. *Arch Ophthal (Chicago)* 72:463-9, Oct 64  
Porocephalus armillatus larvae presenting in the eye. Reid AM, et al. *Brit J Ophthal* 47:169-72, Mar 63  
Pseudo-Argyll Robertson pupils in optic nerve disease. Levatin P, et al. *Brit J Ophthal* 48:109-13, Feb 64  
Distension retinal detachment. Catford GV. *Brit J Ophthal* 47:266-70, May 63  
Relation of macular and other holes to the insertin of the inferior oblique. el Massri A. *Brit J Ophthal* 47:90-4, Feb 63  
Bilateral eccentric fixation with no ocular deviation in a case of heredo-macular degeneration. Daigleish R, et al. *Brit J Ophthal* 47:11-3, Jan 63  
Cyst of duct of Krause's gland. Mortada A. *Brit J Ophthal* 47:375-9, Jun 63  
The ophthalmic observations of David Livingstone. (Livingstone D), et al. *Brit J Ophthal* 47:372-4, Jun 63  
Mycotic corneal ulcers. Agarwal LP, et al. *Brit J Ophthal* 47:109-15, Feb 63  
Experimental and clinical observations on the echograms in vitreous haemorrhages. Oksala A. *Brit J Ophthal* 47:65-70, Feb 63  
Ocular defects in thalidomide babies. Cullen JF. *Brit J Ophthal* 48:151-3, Mar 64  
Hyaloid remnants in the eyes of premature babies. Jones HE. *Brit J Ophthal* 47:39-44, Jan 63  
Congenital dislocation of the lens. Whiting M. *Brit J Ophthal* 47:54-6, Jan 63  
Pattern of eye diseases in leprosy patients of Northern Ghana. Chatterjee S, et al. *Int J Leprosy* 32:53-63, Jan-Mar 64  
Y-V operation for epicanthus. Mack MH. *Plast Reconstr Surg* 34:182-5, Aug 64  
The value and dangers of antimalarial therapy in arthritis with special relation to ophthalmic complications. Kersley GD. *Proc Roy Soc Med* 57:668-71, Aug 64  
Current developments in ophthalmology. Fluorescein studies of the choroidal circulation. Hill DW, et al. *Proc Roy Soc Med* 57:500-2, Jun 64  
Ocular neurofibromatosis. Gillespie FD. *Southern Med J* 57:1340-1, Nov 64  
[Diseases with autoantibodies. Clinical and experimental data] Mikol C, et al. *Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)

EYE FOREIGN BODIES

Intra-ocular metallic foreign bodies. Chisholm IA. *Brit J Ophthal* 48:364-72, Jul 64  
Localization of intra-ocular foreign body by stainless steel sutures. Kerkenezov N. *Brit J Ophthal* 48:169-72, Mar 64  
The handling of eye injuries. Fox SA. *J Int Coll Surg* 42:410-1, Oct 64

EYE INJURIES

Traumatic fracture of plastic contact lenses. Brown DV. *Arch Ophthal (Chicago)* 72:319-22, Sep 64  
An aid to repair of lacerated tear ducts. Morrison FD. *Arch Ophthal (Chicago)* 72:341-2, Sep 64  
Chronic granuloma of the orbit caused by grease-gun injury. Dallas NL. *Brit J Ophthal* 48:158-9, Mar 64  
The handling of eye injuries. Fox SA. *J Int Coll Surg* 42:410-1, Oct 64  
[Apropos of autoimmune disease of the eye: phaco-antigen uveitis] Wilmer R. *Int Arch Allerg* 24:Suppl58-64, 1964 (Ger)

EYE MANIFESTATIONS

Electrical changes in brain and eye of developing chick during hyperthermia. Peters JJ, et al. *Amer J Physiol* 207:260-4, Jul 64  
Lymphadenosis. *Arch Ophthal (Chicago)* 72:578, Oct 64  
Leukemic millary nodules in the retina. Kuwabara T. *Arch Ophthal (Chicago)* 72:494-7, Oct 64  
Horner's syndrome produced by hypertrophic spurs from the cervical spine. Khurana KM, et al. *Brit J Ophthal* 48:227-9, Apr 64



Encanthosis. Ffooks OO.  
**Brit J Ophthalmol** 47:500-3, Aug 63  
 Studies of the retinal capillaries in relation to diabetic and other retinopathies. Ashton N.  
**Brit J Ophthalmol** 47:521-38, Sep 63  
 Pulseless disease. Jain IS, et al.  
**Brit J Ophthalmol** 47:304-7, May 63  
 Pattern of eye diseases in leprosy patients of Northern Ghana. Chatterjee S, et al.  
**Int J Leprosy** 32:53-63, Jan-Mar 64  
 The neurological deficit after extradural haematoma. Troupp H, et al. **Lancet** 2:891-2, 24 Oct 64  
 The clinical importance of orbital signs in cancer of the paranasal sinuses. Shaw HJ.  
**Proc Roy Soc Med** 57:742-8, Aug 64

## EYE MOVEMENTS

Neuro-ophthalmology. Hoyt WF.  
**Arch Ophthalmol (Chicago)** 72:679-719, Nov 64  
 Vector-electro-oculography and its clinical application. Two-dimensional recording of eye movements. Uenoyama K, et al. **Brit J Ophthalmol** 48:318-29, Jun 64  
 Conjugate deviation of the eyes after Cannabis indica intoxication. Mohan H, et al.  
**Brit J Ophthalmol** 48:180-1, Mar 64  
 Stimulation of Forel's field during stereotaxic operations in the human brain. Spiegel EA, et al.  
**Electroenceph Clin Neurophysiol** 18:537-48, Jun 64  
 The avian EEG: an artifact associated with ocular movement. Paulson G.  
**Electroenceph Clin Neurophysiol** 18:611-3, Jun 64

## EYE NEOPLASMS

Leukemic millary nodules in the retina. Kuwabara T.  
**Arch Ophthalmol (Chicago)** 72:494-7, Oct 64  
 Malignant melanoma en plaque. Local extraocular extension. Alexander RL, et al.  
**Arch Ophthalmol (Chicago)** 72:498-500, Oct 64  
 Production of hyaluronic acid by cysts and tumors of the ciliary body. Zimmerman LE, et al.  
**Arch Ophthalmol (Chicago)** 72:365-79, Sep 64  
 Tracer studies on a transplantable hamster melanoma. Potts AM. **Arch Ophthalmol (Chicago)** 72:359-64, Sep 64  
 Recurrent malignant melanoma of the iris. Cleasby GW.  
**Arch Ophthalmol (Chicago)** 72:332-6, Sep 64  
 Lesions mistaken for malignant melanoma of the posterior uvea. A clinicopathologic analysis of 100 cases with ophthalmoscopically visible lesions. Ferry AP. **Arch Ophthalmol (Chicago)** 72:463-9, Oct 64  
 Enucleation of eyes possibly containing malignancies. Ascher KW. **Brit J Ophthalmol** 47:496-9, Aug 63  
 Unusual complication of a chalazion. Chadwick AJ.  
**Brit J Ophthalmol** 47:364, Jun 63  
 An unusual Mooren's ulcer. Dugmore W.  
**Brit J Ophthalmol** 47:365-8, Jun 63  
 Malignant melanoma of the lacrimal sac. Duguid IM.  
**Brit J Ophthalmol** 48:394-8, Jul 64  
 Partial cyclectomy. Some further modifications in technique. Stallard HB. **Brit J Ophthalmol** 48:1-6, Jan 64

## EYE PROTEINS

[Apropos of autoimmune disease of the eye: phaco-antigen uveitis] Witmer R.  
**Int Arch Allerg** 24:Suppl58-64, 1964 (Ger)

## EYELASHES

Lipidproteinosis (Urbach-Wiethe syndrome). Hewson GE. **Brit J Ophthalmol** 47:242-5, Apr 63

## EYELIDS

The intraoperative forced duction test. Report of a case of congenital fibrous bands. Goldstein JH.  
**Arch Ophthalmol (Chicago)** 72:647-9, Nov 64  
 An anterior approach for resection and advancement of the levator. Dalgleish R.  
**Brit J Ophthalmol** 47:138-43, Mar 63  
 A dissector for ptosis surgery. Dalgleish R.  
**Brit J Ophthalmol** 48:56, Jan 64  
 Post-operative gangrene of eyelid. Mortada A.  
**Brit J Ophthalmol** 48:114-7, Feb 64  
 Lid retraction in the non-paretic eye in acquired ophthalmoplegia. Jain IS.  
**Brit J Ophthalmol** 47:757-9, Dec 63  
 Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD.  
**Brit J Ophthalmol** 47:257-65, May 63  
 Adenoma in an eyelid. Evans PA.  
**Brit J Ophthalmol** 48:234-5, Apr 64  
 Kaposi's sarcoma with ocular manifestations. Sezer N, et al. **Brit J Ophthalmol** 48:223-6, Apr 64  
 Encanthosis. Ffooks OO.  
**Brit J Ophthalmol** 47:500-3, Aug 63  
 Oculosporidiosis: rhinosporidiosis of the eye. Kuriakose ET. **Brit J Ophthalmol** 47:346-9, Jun 63  
 Unusual complication of a chalazion. Chadwick AJ.  
**Brit J Ophthalmol** 47:364, Jun 63  
 Multiple vaccinia of the eyelids. Ogg AJ.  
**Brit J Ophthalmol** 47:123-5, Feb 63  
 Blasovitz operation in a case of Marcus Gunn

phenomenon. Malik SR, et al.  
**Brit J Ophthalmol** 48:173-5, Mar 64  
 Operation for blepharospasm. Scasellati Sforzolini G.  
**Brit J Ophthalmol** 48:165-8, Mar 64  
 Tarsal (meigomian) glands of the rat. Leeson TS.  
**Brit J Ophthalmol** 47:222-31, Apr 63  
 Lipidproteinosis (Urbach-Wiethe syndrome). Hewson GE. **Brit J Ophthalmol** 47:242-5, Apr 63  
 Action of suxamethonium on ptosis due to third-nerve palsy. Marshall M. **Brit Med J** 5417:1116-7, 31 Oct 64  
 Masquerade graft technique for simultaneous reconstruction of upper and lower eyelids in patients with blastomycosis, amyloidosis or other chronic septic destructive lesions. Snyder GB, et al.  
**Plast Reconstr Surg** 34:163-8, Aug 64  
 Y-V operation for epicanthus. Mack MH.  
**Plast Reconstr Surg** 34:182-5, Aug 64

## EYESTRAIN

Headaches and migraine associated with eyestrain. Preliminary report of a trial of chlorthalidoxepoxide. Orbell G. **Brit J Ophthalmol** 47:246-7, Apr 63

## FACE

Abnormal facial sweating. Pearce JM.  
**Brit J Clin Pract** 18:409-12, Jul 64

## FACIAL BONES

Orbital stenosis as a rare complication of cataract surgery in a case of leontiasis ossea. Czukrász I.  
**Brit J Ophthalmol** 47:173-6, Mar 63

## FACIAL DERMATOSES

Granuloma faciale in a Japanese man. Higashi N, et al.  
**Arch Derm (Chicago)** 90:432-4, Oct 64  
 Treatment of herpes simplex lesions of the face with idoxuridine: results of a double-blind controlled trial. Juel-Jensen BE, et al. **Brit Med J** 5415:987-8, 17 Oct 64

## FACIAL EXPRESSION

Supravalvular aortic stenosis. Underdevelopment and characteristic facies. Farrehi C, et al.  
**Amer J Dis Child** 108:335-40, Oct 64  
 Brachydactyly, peculiar facies and mental retardation. Coffin GS. **Amer J Dis Child** 108:351-9, Oct 64

## FACIAL NEOPLASMS

Ectopic meningioma in an infant. Khanna SD, et al.  
**Arch Surg (Chicago)** 89:752-4, Oct 64  
 Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD.  
**Brit J Ophthalmol** 47:257-65, May 63  
 Kaposi's sarcoma with ocular manifestations. Sezer N, et al. **Brit J Ophthalmol** 48:223-6, Apr 64  
 Adenoma in an eyelid. Evans PA.  
**Brit J Ophthalmol** 48:234-5, Apr 64  
 Unilateral ptosis of unexplained origin. II. Mortada A. **Brit J Ophthalmol** 47:445-8, Jul 63

## FACIAL NERVE

Neuro-ophthalmology. Hoyt WF.  
**Arch Ophthalmol (Chicago)** 72:679-719, Nov 64

## FACIAL PARALYSIS

Facial palsy in Heerfordt's syndrome. Lambert V, et al.  
**J Laryng** 78:884-93, Jul 64  
 Facial palsy following head injury. Potter JM.  
**J Laryng** 78:654-7, Jul 64  
 Cervical sympathetic block in treatment of Bell's palsy. A controlled trial. Fearnley ME, et al.  
**Lancet** 2:725-7, 3 Oct 64

## FACTOR VIII

Massive hemorrhage-scalps of newborn infants. Kozinn PJ, et al. **Amer J Dis Child** 108:413-7, Oct 64  
 Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. Albright JA, et al. **JAMA** 190:548-50, 9 Nov 64

## FAD

The absorption spectra of iron-flavoproteins. Rajagopalan KV, et al. **J Biol Chem** 239:1509-14, May 64

## FALLOPIAN TUBES

Infertility in Northern Ireland. A retrospect of nine years in a fertility clinic. I. Observations on the diagnostic and therapeutic value of some common procedures used in the investigation of the female. Sloan WR.  
**J Obstet Gynaec Brit Comm** 71:404-11, Jun 64  
 Corona cell dispersing properties of rabbit tubal fluid. Mastrolanni L Jr, et al. **J Reprod Fertil** 8:145-7, Aug 64

Utero-tubal implantation. Peel J.  
**Proc Roy Soc Med** 57:710-4, Aug 64  
 The anatomy of the utero-tubal junction area. Rocker I.  
**Proc Roy Soc Med** 57:707-9, Aug 64

## FAMOUS PERSONS

Some unusual medical students. (L'Etang H).  
**Practitioner** 193:96-100, Jul 64  
 [The health of Lautrec] Campan L.  
**Presse Med** 72:2181-3, 12 Sep 64 (Fr)

## FANCONI SYNDROME

[Hypothesis of chromosomal translocation as a genetic interpretation of Fanconi's familial constitutional pancytopenia] Fanconi G.  
**Helv Paediat Acta** 19:29-33, Jun 64 (Ger)

## FASCIA

The open palm technique in Dupuytren's contracture. McCash CR. **Brit J Plast Surg** 17:271-80, Jul 64  
 Limited and extensive operations in Dupuytren's contracture. Tubiana R.  
**Surg Clin N Amer** 44:1071-80, Aug 64

## FASCIOLA HEPATICA

An unsuccessful trial on production of parasitic pharyngitis (halzoun) in human volunteers. Azar JE.  
**Amer J Trop Med** 13:582-3, Jul 64

## FASTING

Effect of controlled breakfast on serum cholesterol and triglycerides. Schilling FJ, et al.  
**Amer J Clin Nutr** 15:1-4, Jul 64  
 Valve of fluid and electrolyte supplements in subacute survival situations. Rogers TA, et al.  
**J Appl Physiol** 19:580-2, Jul 64  
 The effect of total fasting on thyroid function in man. Alexander WD, et al. **Metabolism** 13:587-90, Jul 64

## FATIGUE

Nomenclature and classification of the disorders due to heat. **Lancet** 2:637-9, 19 Sep 64

## FATS

Hepatocellular lipofuscin after excessive ingestion of analgesics. Abrahams C, et al.  
**Lancet** 2:621-2, 19 Sep 64

## FATTY ACID METABOLISM

Effect of exercise on free fatty acid levels in the pigeon. George JC, et al.  
**J Appl Physiol** 18:619-22, Jul 64  
 Turnover rate and oxidation of different free fatty acids in man during exercise. Havel RJ, et al.  
**J Appl Physiol** 19:613-8, Jul 64  
 Effect of physical activity upon cholesterol synthesis in the rat liver. Aleksandrow D, et al.  
**J Atheroscler Res** 4:351-5, Jul-Aug 64  
 Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. Schapiro RH, et al. **J Clin Invest** 43:1338-47, Jul 64  
 Fatty-acid analysis of meningiomas by gas-phase chromatography. Stein AA, et al.  
**J Neurosurg** 20:435-8, May 63  
 Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. Verdino B, et al.  
**J Nutr** 83:234-8, Jul 64  
 Effect of nicotinic acid on the fatty acid metabolism of adipose tissue in alloxan diabetic rats. Ostman J. **Metabolism** 13:675-80, Jul 64  
 Effects of medium- and long-chain saturated triglycerides on blood and liver cholesterol of chickens and rats. Fisher H, et al.  
**Proc Soc Exp Biol Med** 116:278-80, Jun 64  
 Placental transfer of free fatty acids in the pregnant rat. Koren Z, et al.  
**Proc Soc Exp Biol Med** 116:411-4, Jun 64  
 Conversion of linoleic-1-C14 acid to arachidonic acid in the gerbil. Gordon S, et al.  
**Proc Soc Exp Biol Med** 116:730-3, Jul 64  
 Effect of exclusion of hepatic circulation on oxidation of octanoic acid in the rat. Valdivieso VD, et al.  
**Proc Soc Exp Biol Med** 116:290-2, Jun 64  
 Effect of triparanol on synthesis of fatty acids by Tetrahymena pyriformis. Pollard WO, et al.  
**Proc Soc Exp Biol Med** 116:539-43, Jun 64  
 Effects of recirculating jejunal loops on absorption and transit after massive bowel resection in dogs. Redmond DC 2d, et al. **Surg Forum** 15:291-2, 1964  
 Metabolic effects of selective and total vagotomy. Baldwin JN, et al. **Surg Forum** 15:303-5, 1964  
 Alterations in plasma free fatty acids during extracorporeal circulation. Jacks ML, et al.  
**Surg Forum** 15:279-81, 1964



FATTY ACIDS

The effect of carotid occlusion and central vagal stimulation on the free fatty acids of plasma and the blood pressure in the dog. Fröberg S, et al. *Acta Med Scand* 176:65-71, Jul 64

Influence of diet on blood serum lipids in pregnant women and newborn infants. Hansen AE, et al. *Amer J Clin Nutr* 15:11-9, Jul 64

Fatty acid composition of adipose tissue in normal and abnormal subjects. Herrerman AG. *Amer J Clin Nutr* 15:5-10, Jul 64

Alcohol hypoglycemia. Effects of ethanol on plasma. 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? Arky RA, et al. *Arch Intern Med* (Chicago) 114:501-7, Oct 64

Lipids of human platelets and their action on the blood coagulation process. Woodside EE, et al. *Blood* 24:76-91, Jul 64

Nutritional effects of autoxidized fats in animal diets. Beef fat in the diet of rats. Lea CH, et al. *Brit J Nutr* 18:369-84, 1964

The fatty acid composition of the sterol-wax ester and mono- and diglyceride fractions of mouse epidermis undergoing normal and abnormal growth changes. Carruthers C, et al. *Cancer Res* 24:1008-11, Jul 64

Effect of adrenocortical hormones on release of free fatty acids and uptake of glucose in human peripheral tissues. Jenkins JS, et al. *Clin Sci* 26:421-7, Jun 64

Effect of adrenaline on aortic structure and serum cholesterol in *Macaca radiata*. Jagannathan SN, et al. *J Atheroscler Res* 4:335-45, Jul-Aug 64

Mitochondrial stimulation of fatty acid biosynthesis. Bhaduri AM, et al. *J Biol Chem* 239:1357-63, May 64

Enzymatic omega-oxidation of fatty acids. I. Products of octanoate, deconate, and laurate oxidation. Kusunose M, et al. *J Biol Chem* 239:1374-80, May 64

The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64

A study of the hypocholesterolemic activity of the ethyl esters of the polyunsaturated fatty acids of cod liver oil in the rat. Kahn SG. *J Nutr* 83:262-6, Jul 64

A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. Bleicher SJ, et al. *Metabolism* 13:583-6, Jun 64

Reduction of serum lipids following portacaval transposition in diabetic dogs. Waddell WR, et al. *Metabolism* 13:562-71, Jun 64

Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. Bleicher SJ, et al. *New Eng J Med* 271:866-72, 22 Oct 64

FATTY ACIDS, ESSENTIAL

The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. *J Biol Chem* 239:1335-45, May 64

Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. Verdino B, et al. *J Nutr* 83:234-8, Jul 64

Conversion of linoleic-1-C14 acid to arachidonic acid in the gerbil. Gordon S, et al. *Proc Soc Exp Biol Med* 116:730-3, Jul 64

FATTY LIVER

Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. Schapiro RH, et al. *J Clin Invest* 43:1338-47, Jul 64

Pathological findings in homocystinuria. Gibson JB, et al. *J Clin Path* 17:427-37, Jul 64

Acute liver injury in ducklings as a result of aflatoxin poisoning. Butler WH. *J Path Bact* 88:189-96, Jul 64

S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64

Phospholipid patterns in livers accumulating fat. Snyder F, et al. *Proc Soc Exp Biol Med* 116:459-62, Jun 64

[Quantitative changes in hematopoiesis in chronic hepatitis, fatty cirrhosis and atrophic liver cirrhosis] Tai HB. *Blut* 10:67-81, Mar 64 (Ger)

FECEs

Memorandum on the first report of *Angiostrongylus* in man, by Nomura and Lin, 1945. Beaver PC, et al. *Amer J Trop Med* 13:589-90, Jul 64

New transport medium for shipment of clinical specimens. I. Fecal specimens. Cary SG, et al. *J Bact* 88:96-8, Jul 64

FEMORAL ARTERY

Femoropopliteal endarterectomy: operative modifications and consideration of effects of outflow lesions. Wylie EJ, et al. *Amer J Surg* 108:215-23, Aug 64

Aortic dissection after femoral artery cannulation.

Case with extracorporeal circulation. Williams KR, et al. *Arch Surg* (Chicago) 89:663-5, Oct 64

Sedentary leg-pain: ischaemia from narrowing on hip flexion of femoral arteries stiffened by atheroma. Rudolf ND, et al. *Brit Med J* 5413:863, 3 Oct 64

Is arterial puncture dangerous? *Brit Med J* 5416:1072, 24 Oct 64

Complications of arterial puncture. Nicholls JC. *Brit Med J* 5413:877, 3 Oct 64

Measurement of blood flow in the femoral artery in man at rest and during exercise by local thermolodulation. Ganz V, et al. *Circulation* 30:86-9, Jul 64

Repair of small arteries with contact cement and teflon graft. Khodadad G, et al. *J Neurosurg* 21:552-60, Jul 64

Femoral aneurysms. Review of surgical management. Pappas G, et al. *JAMA* 190:489-93, 9 Nov 64

Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. Harrison TS, et al. *New Eng J Med* 271:985-9, 5 Nov 64

Vasodilator material in ischemic tissues. Selby DM, et al. *Surg Forum* 15:232-3, 1964

Peripheral angiography: a clinical evaluation. Rose S. *Vasc Dis* 1:64-76, Jan 64

FEMORAL FRACTURES

Osteochondral fractures of the lateral femoral condyle. Rosenberg NJ. *J Bone Joint Surg [Amer]* 46:1013-26, Jul 64

Treatment of non-union of fractures of the long bones by the two-plate method. Murray WR, et al. *J Bone Joint Surg [Amer]* 46:1027-48, Jul 64

Fractures of the shaft of the femur resulting from automobile accidents. Kulowski J. *J Int Coll Surg* 42:412-20, Oct 64

Wound infections after surgery for fractured hip. A follow-up study. Murray DG. *JAMA* 190:505-8, 9 Nov 64

Blood and bones. *Lancet* 2:740-1, 3 Oct 64

Effects of sodium ethylenediamine tetra-acetic acid on fracture healing. Ledbetter JR, et al. *Surg Forum* 15:446-8, 1964

FEMORAL HERNIA

Hernial appendicitis. Mitchell JE. *Brit J Clin Pract* 18:419-21, Jul 64

Strangulated femoral hernia in child aged 6 years. Goodhead B. *Brit Med J* 5416:1052-3, 24 Oct 64

FEMORAL NECK FRACTURES

Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64

Acute fracture of the femoral neck: internal fixation or prosthesis? Boyd HB, et al. *J Bone Joint Surg [Amer]* 46:1066-8, Jul 64

FEMORAL VEIN

Paradoxical embolism. Corrin B. *Brit Heart J* 26:549-53, Jul 64

Intracranial angiography by percutaneous puncture of the subclavian artery utilizing a subclavicular approach. Ray CD. *J Neurosurg* 20:400-5, May 63

Effect of venous stasis on long bone growth in the dog. Keck SW, et al. *Surg Forum* 15:443-4, 1964

Protein bound iodine in the thyroid vein of man. Nora PF, et al. *Surg Forum* 15:79-80, 1964

Beneficial effect of low molecular weight dextran on acute ischemic limb. Kwak HH, et al. *Surg Forum* 15:230-1, 1964

FEMUR

Traumatic separation of the upper femoral epiphysis as an obstetrical lesion. Mortens J, et al. *Acta Orthop Scand* 34:238-50, 1964

The accuracy of orthoroentgenographic measurements. Nordentoft EL. *Acta Orthop Scand* 34:283-8, 1964

Hip salvage by pelvic support osteotomy. Soren A. *Arch Surg* (Chicago) 89:656-62, Oct 64

Lymphatic drainage of bone marrow. Fuller KM, et al. *Aust New Zeal J Surg* 34:11-4, Aug 64

Effect of venous stasis on long bone growth in the dog. Keck SW, et al. *Surg Forum* 15:443-4, 1964

FEMUR HEAD

Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64

Ester sulfate and collagen content of articular cartilage from human being femoral heads. Convery FR, et al. *Surg Forum* 15:435-7, 1964

FERMENTATION

Relationship of potassium ion transport to metabolism in acid-induced fermentation in yeast. Scharff TG. *Proc Soc Exp Biol Med* 116:875-7, Jul 64

FERRITIN

[Ferritin and hemosiderin] Wöhler F. *Deutsch Med Wschr* 89:1801-9, 18 Sep 64 (Ger)

FERROCYANIDES

Kinetic investigations of yeast L-lactate dehydrogenase (cytochrome b2). I. The dehydrogenation of L-lactate in the presence and absence of ferricyanide as electron acceptor. Morton RK, et al. *J Biol Chem* 239:1614-24, May 64

FERTILITY

Radiation sensitivity of the mouse ovary: fertility and oocyte survival. Peters H, et al. *Fertil Steril* 15:407-18, Jul-Aug 64

Refrigerant preservation of human spermatozoa. I. Factors influencing recovery in euspermic semen: clinical applications. Fernandez-Cano L, et al. *Fertil Steril* 15:390-406, Jul-Aug 64

Infertility in Northern Ireland. A retrospect of nine years in a fertility clinic. II. Observations on genital tuberculosis in the female, sex chromatin study of selected cases of azoospermia and the conception rate after 2-11 years related to semen analysis. Sloan WR. *J Obstet Gynaec Brit Comm* 71:411-7, Jun 64

Infertility in Northern Ireland. A retrospect of nine years in a fertility clinic. I. Observations on the diagnostic and therapeutic value of some common procedures used in the investigation of the female. Sloan WR. *J Obstet Gynaec Brit Comm* 71:404-11, Jun 64

Effect of auditory stimulation of reproduction. IV. Experiments of deaf rats. Zondek B, et al. *Proc Soc Exp Biol Med* 116:636-7, Jul 64

FERTILIZATION

Test tube embryo. *Brit Med J* 5413:836, 3 Oct 64

Day of conception in relation to length of menstrual cycle. A study of 65 conceptions resulting from isolated coitus. Murphy DP, et al. *Fertil Steril* 15:365-9, Jul-Aug 64

Seasonal variation in reproductive traits of New Zealand white rabbits. Sittmann DB, et al. *J Reprod Fertil* 8:29-37, Aug 64

Distribution of spermatozoa in the oviduct and fertility in domestic birds. I. Residence sites of spermatozoa in fowl oviducts. Bobr LW, et al. *J Reprod Fertil* 8:39-47, Aug 64

FERTILIZERS

The effect of soil fertilization practices on the total protein and zein content of maize. Quicke GV, et al. *S Afr Med J* 38:645-8, 22 Aug 64

FETAL DEATH

Toxicity of progesterone to mouse fetuses. Petrelli EA, et al. *Endocrinology* 75:145-6, Jul 64

Transient unilateral vascular occlusion associated with accidental ante-partum haemorrhage. Combrink PB. *J Obstet Gynaec Brit Comm* 71:461-3, Jun 64

Experimental growth retardation in the foetal rat. Wigglesworth JS. *J Path Bact* 88:1-13, Jul 64

Causes of perinatal death in Uganda Africans, with special reference to congenital malformations. Dodge OG, et al. *J Pediat* 65:267-9, Aug 64

Seasonal variation in reproductive traits of New Zealand white rabbits. Sittmann DB, et al. *J Reprod Fertil* 8:29-37, Aug 64

Effects of Cel144 administered to pregnant rats. McFee AF. *Proc Soc Exp Biol Med* 116:712-5, Jul 64

Effects of adenosine triphosphate on ethionine-induced resorption. Schultz RL, et al. *Proc Soc Exp Biol Med* 116:273-5, Jun 64

Abdominal pregnancy: Pitfall and paradox. Barnett RV, et al. *Southern Med J* 57:1288-93, Nov 64

FETAL DISEASES

Osteogenesis imperfecta. Two cases diagnosed in utero. Unnérus CE. *Ann Chir Gynaec Fenn* 53:383-8, 1964

Use of low-molecular-weight dextran in management of foetal distress in labour. Jones JB. *Brit Med J* 5414:909-10, 10 Oct 64

Fetal spongioblastoma. Duckett S, et al. *J Neuropath Exp Neurol* 23:560-4, Jul 64

An unusual case of shoulder dystocia. Francis RC. *J Obstet Gynaec Brit Comm* 71:637-9, Aug 64

A placental lesion to account for foetal haemorrhage into the maternal circulation. Wentworth P. *J Obstet Gynaec Brit Comm* 71:379-87, Jun 64

The vacuum extractor--experimental demonstration of distortion of the foetal skull. Awon MP. *J Obstet Gynaec Brit Comm* 71:634-6, Aug 64

Maternal and infant plasma urea at delivery. McKay E, et al. *J Obstet Gynaec Brit Comm* 71:449-52, Jun 64

Experimental growth retardation in the foetal rat. Wigglesworth JS. *J Path Bact* 88:1-13, Jul 64



Spectrophotometric analysis of amniotic fluid in erythroblastosis fetalis. Lewis F, et al. *JAMA* 190:195-8, 19 Sep 64  
 Foetal acidosis. Derom R. *Lancet* 2:757, 3 Oct 64  
 Study of virulence and tumorigenicity of variants of herpes simplex virus. Rapp F, et al. *Proc Soc Exp Biol Med* 116:361-5, Jun 64

## FETAL HEART

Use of low-molecular-weight dextran in management of foetal distress in labour. Jones JB. *Brit Med J* 5414:909-10, 10 Oct 64  
 Vectorcardiographic and ventricular pressure studies in utero and after birth using a special surgical technique. Idriss FS, et al. *Surg Forum* 15:389-91, 1964

## FETAL HEMOGLOBIN

Fetal blood studies. XX. Levels of human fetal hemoglobin during pregnancy. Cotter J, et al. *Obstet Gynec* 23:735-7, May 64

## FETAL MEMBRANES

Transfer of water from maternal blood to amniotic fluid of live and dead fetuses in health and in some pathological conditions of the mother. A study with tritium-labelled water. Tervilä L. *Ann Chir Gynaec Fenn* 53:Suppl 131:1-69, 1964  
 Actinomyotic lesions in the chorio-allantoic membrane of the chick embryo. Pegrum GD. *J Path Bact* 88:323-7, Jul 64

## FETUS

Lead poisoning during pregnancy. Fetal tolerance of calcium disodium edetate. Angle CR, et al. *Amer J Dis Child* 108:436-9, Oct 64  
 Corticosteroid action on the fetal thymus and spleen. Angervall L, et al. *Endocrinology* 74:986-9, Jun 64  
 Steroid biosynthesis in the fetal ovary. Roberts JD, et al. *Endocrinology* 74:846-52, Jun 64  
 Metabolism of 4-14C-progesterone by human fetal testis and ovaries. Bloch E. *Endocrinology* 74:833-45, Jun 64  
 Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64  
 Keratin formation in a chemically defined medium. Pullar P. *J Path Bact* 88:203-12, Jul 64  
 Deformities produced by operations on the rabbit fetus. Spencer DM, et al. *Surg Forum* 15:441-2, 1964

## FEVER

Electrical changes in brain and eye of developing chick during hyperthermia. Peters JJ, et al. *Amer J Physiol* 207:260-4, Jul 64  
 Differential effects of heat on splenic and renal vascular beds. Gillenwater JY, et al. *Amer J Physiol* 207:133-6, Jul 64  
 Effects of hypoxia and hyperthermia on hepatic tissue of the dog. Reed WA, et al. *Amer J Physiol* 206:1304-8, Jun 64  
 The relationship of fever to tumour necrosis in the rat. Allen IV. *Brit J Cancer* 18:378-85, Jun 64  
 Fatal hyperpyrexia with phenelzine and imipramine. Stanley B, et al. *Brit Med J* 5415:1011, 17 Oct 64  
 Studies of sulfobromophthalein sodium (BSP) metabolism in man. II. The effect of artificially induced fever, norethandrolone (Nilevar), and iopanoic acid (Telapaque). Schoenfield LJ, et al. *J Clin Invest* 43:1419-23, Jul 64  
 Fever with penicillin. Ellis JG. *New Eng J Med* 271:965, 29 Oct 64  
 Falsely positive pyrogenic responses induced in rabbits by latex particles. Kobayashi GS, et al. *Proc Soc Exp Biol Med* 116:716-8, Jul 64  
 [Acute hyperpyretic toxicosis in the older infant. A contribution to the problem of sudden death in childhood] Riegel K, et al. *Deutsch Med Wschr* 89:1821-8, 25 Sep 64 (Ger)  
 [On the morphology of acute hyperpyretic toxicosis in the older infant] Müller G. *Deutsch Med Wschr* 89:1828-31, 25 Sep 64 (Ger)

## FIBRIN

The cell-catch procedure. A new method which preserves all cellular elements of spinal-fluid samples. Simon G, et al. *J Neurosurg* 20:787-92, Sep 63  
 Demonstration of fibrin in yellow aortic streaks by the fluorescent antibody technique. Wyllie JC, et al. *J Path Bact* 88:335-8, Jul 64

## FIBRINOGEN

Lack of enhanced lysis of fibrinogen-I-131 by anticoagulants in tumor-bearing rats. Shaeffer JR. *Amer J Physiol* 206:1251-4, Jun 64  
 Fibrinogen catabolism in humans. McFarlane AS, et al. *Clin Sci* 26:415-20, Jun 64  
 Immunological removal of circulating I-131-labeled

rabbit antibody to rat fibrinogen in normal and tumor-bearing rats. Spar IL, et al. *J Nucl Med* 5:428-43, Jun 64  
 Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. Albright JA, et al. *JAMA* 190:548-50, 9 Nov 64  
 Plasma-fibrinogen levels after long-term warfarin therapy. Nakamura RM, et al. *Lancet* 2:821-2, 10 Oct 64  
 Caproic acid analogues to prolong survival of skin homografts. Cramer LM, et al. *Surg Forum* 15:479-80, 1964  
 Quantitative assay of the fibrinolytic system in open heart surgery. Kevy SV, et al. *Surg Forum* 15:282-3, 1964

## FIBRINOLYSIS

Activation of the blood fibrinolytic enzyme system by platelets. Reid WO, et al. *Amer J Physiol* 206:1255-61, Jun 64  
 Effect of low molecular weight dextrans and fibrinolysis on hemorrhagic shock. Schlueter TM, et al. *Surg Forum* 15:32-4, 1964  
 In vitro studies of direct current coagulation. Reardon JJ, et al. *Surg Forum* 15:235-7, 1964  
 Pitfalls in the thrombolytic treatment of venous occlusion. Amery A, et al. *Vasc Dis* 1:89-93, Mar 64

## FIBRINOLYSIS

Lack of enhanced lysis of fibrinogen-I-131 by anticoagulants in tumor-bearing rats. Shaeffer JR. *Amer J Physiol* 206:1251-4, Jun 64  
 Observations on adrenaline-induced fibrinolysis in man. Tanser AR, et al. *Clin Sci* 26:375-80, Jun 64  
 Fibrinolytic activity of human tissues from adult and infant cadavers. Sandberg H, et al. *J Lab Clin Med* 64:99-106, Jul 64  
 Current developments in ophthalmology. Fibrinolysis in retinal vascular occlusion. Blake J. *Proc Roy Soc Med* 57:493-4, Jun 64  
 Hepatic regulation of fibrinolysis--the liver as the source of inhibitor. Bono RF, et al. *Surg Forum* 15:94-5, 1964  
 In vivo evaluation of clot lysis. Silver D, et al. *Surg Forum* 15:237-9, 1964  
 Quantitative assay of the fibrinolytic system in open heart surgery. Kevy SV, et al. *Surg Forum* 15:282-3, 1964  
 Thromboangiitis obliterans: with special reference to coagulation and clot lysis. Ende N. *Vasc Dis* 1:83-8, Mar 64

## FIBROBLASTS

Aminopeptidase activity in myocardial infarction of man. A histochemical study. Monis B, et al. *Amer J Path* 44:867-76, Jun 64  
 The culture in vitro of lymphoid cells obtained from rabbit lymph nodes. Foft JW, et al. *Lab Invest* 13:575-80, Jun 64  
 Collagen formation in monolayer cultures of human fibroblasts. The effects of hydrocortisone. Castor CW, et al. *Lab Invest* 13:560-74, Jun 64  
 Serum albumin supplemented medium for long term cultivation of mammalian fibroblast strains. Todaro GJ, et al. *Proc Soc Exp Biol Med* 116:888-92, Jul 64  
 Effects of 1,3,5, (10), 16 estratetraen-3-ol on mammalian L-fibroblasts in vitro. Bourne EW, et al. *Proc Soc Exp Biol Med* 116:762-6, Jul 64  
 Mucopolysaccharide production by fibroblasts derived from human buffy-coat cultures in vitro. Avila L, et al. *Proc Soc Exp Biol Med* 116:641-3, Jul 64

## FIBROSARCOMA

Changing management of carcinoma of the thyroid. Hill LD, et al. *Amer J Surg* 108:176-82, Aug 64  
 Fibrosarcoma of the rectum. Russell IS, et al. *Aust New Zeal J Surg* 34:27-31, Aug 64  
 The interstitial fluid of solid tumors. Gullino PM, et al. *Cancer Res* 24:780-94, Jun 64  
 The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64  
 Immunogenicity of cell free extracts of neoplastic tissue. Pilch YH. *Surg Forum* 15:348-50, 1964

## FINGER INJURIES

Transposition of the lateral slips of the aponeurosis in treatment of long-standing "boutonnière deformity" of the fingers. Matev I. *Brit J Plast Surg* 17:281-6, Jul 64  
 Grease-gun injury. Smith MG. *Brit Med J* 5414:918-20, 10 Oct 64  
 Grease-gun injury. Philipson JA. *Brit Med J* 5418:1197, 7 Nov 64  
 Ring-finger pollicization, with transplantation of nail bed and matrix on a volar flap. Butler B Jr. *J Bone Joint Surg [Amer]* 48:1069-76, Jul 64  
 Restoration of digital sensation after transection of nerves. Turnbull F. *J Neurosurg* 20:238-40, Mar 63

Skeletal reconstruction of the hand. Butler AA. *Surg Clin N Amer* 44:995-1008, Aug 64

## FINGER JOINT

Transposition of the lateral slips of the aponeurosis in treatment of long-standing "boutonnière deformity" of the fingers. Matev I. *Brit J Plast Surg* 17:281-6, Jul 64

## FINGERPRINTS

Finger-print patterns in congenital heart disease. Sánchez Cascos A. *Brit Heart J* 26:524-7, Jul 64

## FINGERS

Brachydactyly, peculiar facies and mental retardation. Coffin GS. *Amer J Dis Child* 108:351-9, Oct 64  
 Paronychia due to an enchondroma. Shelley WB, et al. *Arch Derm (Chicago)* 90:412-3, Oct 64  
 Ring-finger pollicization, with transplantation of nail bed and matrix on a volar flap. Butler B Jr. *J Bone Joint Surg [Amer]* 48:1069-76, Jul 64  
 The physiology of the extension of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:909-18, Aug 64  
 The anatomy of the extensor apparatus of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:897-906, Aug 64  
 Levels of amputation of fingers and hand--Considerations for treatment. Swanson AB. *Surg Clin N Amer* 44:1115-26, Aug 64  
 Restoration of function of paralyzed hand. Entin MA. *Surg Clin N Amer* 44:1049-50, Aug 64

## FIRST AID

The handling of eye injuries. Fox SA. *J Int Coll Surg* 42:410-1, Oct 64  
 Of 153 attempted--cardiopulmonary resuscitations by trained ambulance personnel--no fatal injuries were produced. Wilder RJ, et al. *JAMA* 190:531-4, 9 Nov 64

## FISH

Studies of the growth-promoting activity for chicks of fish solubles. Harrison GF, et al. *Brit J Nutr* 18:461-6, 1964  
 Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relations between isoleucine and leucine for growth. Chance RE, et al. *J Nutr* 83:177-85, Jul 64

## FISH LIVER OILS

A study of the hypocholesterolemic activity of the ethyl esters of the polyunsaturated fatty acids of cod liver oil in the rat. Kahn SG. *J Nutr* 83:262-6, Jul 64

## FISHERIES

The role of the South African fishing industry in feeding the nation. Dreosti GM. *S Afr Med J* 38:631-40, 22 Aug 64

## FISTULA

Fluid collection in cerebrospinal otorrhea. Raskind R. *J Int Coll Surg* 42:408-9, Oct 64  
 Postobstetric genitourinary-tract fistula. A report of 38 cases in a West African community. Longo LD. *Obstet Gynec* 23:768-73, May 64

## FISTULA, ARTERIOVENOUS

Abdominal aortic aneurysm with vena caval fistula. Report of a case with observations on an unusual clinical course. Vander Veer JB, et al. *Arch Intern Med (Chicago)* 114:551-4, Oct 64  
 Bilateral carotico-cavernous fistulae. Hypopituitarism from bilateral carotid ligation for surgical cure. Jamieson KG. *Aust New Zeal J Surg* 34:1-10, Aug 64  
 Paradoxical embolism. Corrin B. *Brit Heart J* 26:549-53, Jul 64  
 Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. Urquhart J, et al. *J Clin Invest* 43:1355-66, Jul 64  
 The value of angiography in the differential diagnosis of pulsating exophthalmos; a report of 3 cases. Higazi I, et al. *J Neurosurg* 21:561-6, Jul 64  
 External carotid-cavernous sinus fistulas. Hayes GJ. *J Neurosurg* 20:692-700, Aug 63  
 Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery. Gerlach J, et al. *J Neurosurg* 20:885-7, Oct 63  
 Arteriovenous fistula: a complication of vertebral angiography: report of a case. Olson RW, et al. *J Neurosurg* 20:73-5, Jan 63  
 Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. Tindall GT, et al. *J Neurosurg* 20:985-94, Nov 63



Transfusion syndrome in multiple pregnancy. Conway CF. *Obstet Gynec* 23:745-51, May 64  
 Effect of venous stasis on long bone growth in the dog. Keck SW, et al. *Surg Forum* 15:443-4, 1964  
 Arteriovenous fistula between the common iliac artery and vein. Areskog NH, et al. *Vasc Dis* 1:113-8, Mar 64

## FLAVINS

Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64

## FLUCINOLONE ACETONIDE

[Fluocinolone acetonide (0.01 per cent) under occlusive dressing: therapeutic value in dermatology of this new product in weak concentration] Bazex A, et al. *Presse Med* 72:2387-8, 3 Oct 64 (Fr)

## FLUORENES

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:588-95, May 64  
 Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64  
 Enzymatic n-hydroxylation of the carcinogen 2-acetylaminofluorene and the metabolism of N-hydroxy-2-acetylaminofluorene-9-14C in vitro. Irving CC. *J Biol Chem* 239:1589-96, May 64

## FLUORESCCEINS

Tracer studies on a transplantable hamster melanoma. Potts AM. *Arch Ophthalmol* (Chicago) 72:359-64, Sep 64

## FLUORESCENCE

Fluorescence of solutions: a review. Williams RT, et al. *J Clin Path* 17:371-94, Jul 64

## FLUORESCENT ANTIBODY TECHNIC

Comparative studies of some immunologic screening tests for schistosomiasis in Ethiopia. Buck AA, et al. *Amer J Hyg* 80:75-84, Jul 64  
 Seroreactivity in the venereal disease research laboratory slide test and the fluorescent treponemal antibody test. A study of patterns in selected disease and control groups in Ethiopia. Buck AA, et al. *Amer J Hyg* 80:91-102, Jul 64  
 Fluorescent antibody test for the serodiagnosis of visceral leishmaniasis. Duxbury RE, et al. *Amer J Trop Med* 13:525-9, Jul 64  
 Evaluation of immunofluorescent and direct agglutination methods for detection of specific toxoplasma antibodies. Fulton JD, et al. *Brit Med J* 5418:1173-5, 7 Nov 64  
 Correlation of immunofluorescence and infectivity in the developing bovine cutaneous papilloma. Smithies LK, et al. *Cancer Res* 24:874-81, May 64  
 Demonstration of gamma-2 globulin in human skin. Allansmith M, et al. *J Allerg* 35:313-21, Jul-Aug 64  
 Typing of group A streptococci by immunofluorescence. I. Preparation and properties of type I fluorescein-labeled antibody. Karakawa WW, et al. *J Bact* 87:1377-82, Jun 64  
 Demonstration of fibrin in yellow aortic streaks by the fluorescent antibody technique. Wylie JC, et al. *J Path Bact* 88:335-8, Jul 64  
 The identification of Clostridium novyi (Clostridium oedematiens) and Clostridium tetani by the use of fluorescent labelled antibodies. Batty I, et al. *J Path Bact* 88:327-8, Jul 64  
 [Immunological studies with natural and synthetic ACTH in subjects allergic to ACTH] Schwarz-Speck M, et al. *Int Arch Allerg* 24:Suppl:29-47, 1964 (Ger)

## FLUORESCENT DYES

Fluorescent test for skin malignancy. Burrows D. *Arch Derm* (Chicago) 90:411, Oct 64

## FLUORIDE POISONING

Fluoride and optic neuritis. Waldbott GL. *Brit Med J* 5414:945, 10 Oct 64

## FLUORIDES

Effect of dietary magnesium and fluoride on citric acid content of chick bones. Griffith FD, et al. *Proc Soc Exp Biol Med* 116:822-3, Jul 64

## FLUOROACETATES

Sorption of hydrogen chloride and trifluoroacetic acid on poly-L-valine and poly-L-leucine. Brandt WW, et al. *J Biol Chem* 239:1442-6, May 64

## FLUOROSCOPY

Stereokinoradiography. I. Perception of motion and depth. Potsaid MS. *New Eng J Med* 271:1048-57, 12 Nov 64  
 A physical assessment of the Cinelex electro-optical image intensifier in television fluoroscopy. Hay GA. *Radiology* 83:86-91, Jul 64

## FLUOROURACIL

Antimetabolite therapy in midline lethal granuloma. Von Leden H, et al. *Arch Otolaryng* (Chicago) 80:460-8, Oct 64  
 Fluorouracil colon-rectum adjuvant chemotherapy. Nadler SH, et al. *Arch Surg* (Chicago) 89:592-5, Oct 64  
 Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64  
 Time-dose relationship of 5-fluorouracil. Schultz PE, et al. *Surg Forum* 15:333-4, 1964  
 Hyperbaric oxygen and 5-fluorouracil in the treatment of experimental melanoma. Kinsey DL. *Surg Forum* 15:205-6, 1964

## FLUPHENAZINE

Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. *Curr Ther Res* 6:331-9, May 64

## FOLIC ACID

Studies on folic reductase. I. Levels in regenerating rat liver and the effect of methotrexate administration. Ngu VA, et al. *Cancer Res* 24:989-93, Jul 64  
 Serum folic acid activity and vaginal bleeding in early pregnancy. Martin JD, et al. *J Obstet Gynaec Brit Comm* 71:400-3, Jun 64  
 Thrombocytopenia and megaloblastic anaemia of pregnancy. Jenkins GC, et al. *J Obstet Gynaec Brit Comm* 71:609-14, Aug 64  
 The role of folic acid in pregnancy; with particular reference to anaemia, abortion and miscarriage. Hibbard BM. *J Obstet Gynaec Brit Comm* 71:529-42, Aug 64  
 Response to lettuce in a patient with megaloblastic anaemia associated with pregnancy. Baumslag N, et al. *S Afr Med J* 38:811-3, 15 Aug 64

## FOOD ANALYSIS

A review of methods used in nutrition surveys conducted by the Interdepartmental Committee on Nutrition for National Defense (ICNND). *Amer J Clin Nutr* 15:29-44, Jul 64  
 A microbiological method for assessing the nutritional value of proteins. 3. Further studies on the measurement of available amino acids. Ford JE. *Brit J Nutr* 18:449-60, 1964  
 The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Platt BS, et al. *Brit J Nutr* 18:413-29, 1964  
 Nutritional effects of autoxidized fats in animal diets. Beef fat in the diet of rats. Lea CH, et al. *Brit J Nutr* 18:369-84, 1964  
 A pepsin pancreatin digest index of protein quality evaluation. Akeson WR, et al. *J Nutr* 83:257-61, Jul 64  
 Uncertainties that hinder the accurate determination of the nutritional value of a diet. Fox FW. *S Afr Med J* 38:668-73, 22 Aug 64  
 The sodium and potassium contents of South African foodstuffs, with special reference to low-sodium diets and potassium supplementation. Bernstein RE. *S Afr Med J* 38:673-6, 22 Aug 64  
 The significance of leaf vegetables, especially of cassava, in tropical nutrition. Terra GJ. *Trop Geogr Med* 18:97-108, Jun 64

## FOOD CONTAMINATION

Pesticides as contaminants. West I. *Arch Environ Health* (Chicago) 9:626-33, Nov 64  
 Safe use of pesticides in food production. Smith RB Jr. *Arch Environ Health* (Chicago) 9:634-8, Nov 64  
 Acute liver injury in ducklings as a result of aflatoxin poisoning. Butler WH. *J Path Bact* 88:189-96, Jul 64  
 [The survival of Shigella sonnei in a cheese experimentally contaminated and preserved in a refrigerator] Szturm Rubinsten S. *Presse Med* 72:2115-6, 29 Aug 64 (Fr)

## FOOD CONTAMINATION, RADIOACTIVE

Radioactive contamination of the human diet and of man. Harley JH. *Arch Environ Health* (Chicago) 9:649-53, Nov 64  
 Babies' intake of strontium. Widdowson EM, et al. *Lancet* 2:753-4, 3 Oct 64

## FOOD INSPECTION

Immunofluorescent staining of Bacillus anthracis in dried beef. Biegeleisen JZ Jr. *J Bact* 88:260-1, Jul 64

## FOOD POISONING

Conjugate deviation of the eyes after Cannabis indica intoxication. Mohan H, et al. *Brit J Ophthalmol* 48:160-1, Mar 64  
 Heat-resistant clostridium welchii in Ceylon soils. Wijewanta EA. *J Path Bact* 88:339-42, Jul 64  
 The isolation of Clostridium perfringens type C from necrotic enteritis of man in Papua-New Guinea. Egerton JR, et al. *J Path Bact* 88:275-8, Jul 64

## FOOD PRESERVATION

Nutritional effects of autoxidized fats in animal diets. Beef fat in the diet of rats. Lea CH, et al. *Brit J Nutr* 18:369-84, 1964

## FOOD-PROCESSING INDUSTRY

Safe use of pesticides in food production. Smith RB Jr. *Arch Environ Health* (Chicago) 9:634-8, Nov 64

## FOOD SUPPLY

A review of methods used in nutrition surveys conducted by the Interdepartmental Committee on Nutrition for National Defense (ICNND). *Amer J Clin Nutr* 15:29-44, Jul 64  
 The contribution of sugar-cane to our food supplies. McMartin A. *S Afr Med J* 38:659-61, 22 Aug 64  
 The role of the South African banana industry in the feeding of the South African population. Radloff G. *S Afr Med J* 38:661-4, 22 Aug 64  
 The edible oilseeds industry of South Africa. Vorster LJ. *S Afr Med J* 38:652-4, 22 Aug 64  
 The production of food to supplement natural foods in the Bantu areas. Murray JS. *S Afr Med J* 38:628-9, 22 Aug 64  
 Proceedings of the Congress of the Nutrition Society of Southern Africa. Opening address. Campbell GG. *S Afr Med J* 38:621-3, 22 Aug 64  
 Meat production in South Africa. Hirzel R. *S Afr Med J* 38:629-31, 22 Aug 64  
 Agricultural systems and food patterns. McMartin A. *S Afr Med J* 38:625-8, 22 Aug 64  
 Population explosion--the challenge before agriculture. Hulme SA. *S Afr Med J* 38:623-5, 22 Aug 64  
 Production and consumption of maize in South Africa. Nolte NC. *S Afr Med J* 38:642-5, 22 Aug 64  
 A preliminary note on the nutrient composition and protein value of green maize. Dreyer JJ, et al. *S Afr Med J* 38:648-52, 22 Aug 64  
 The role of the South African fishing industry in feeding the nation. Dreosti GM. *S Afr Med J* 38:631-40, 22 Aug 64  
 [The production and consumption of dairy products in South Africa] Maree PJ. *S Afr Med J* 38:640-2, 22 Aug 64 (Af)

## FOOT DISEASES

Eccrine poroma. A Japanese case showing melanin granules and melanocytes in the tumor. Yasuda T, et al. *Arch Derm* (Chicago) 90:428-31, Oct 64  
 Squamous cell carcinoma arising in planter ulcers in leprosy. Job CK, et al. *Int J Leprosy* 32:37-44, Jan-Mar 64  
 Surgical treatment of disorders of the fore part of the foot. Thompson C. *J Bone Joint Surg [Amer]* 46:1117-28, Jul 64  
 Office measures for relief of the painful foot. Milgram JE. *J Bone Joint Surg [Amer]* 46:1095-116, Jul 64  
 Dermatologic care of the painful foot. Montgomery RM. *J Bone Joint Surg [Amer]* 46:1129-36, Jul 64

## FORAMEN MAGNUM

Meningioma in the foramen magnum in a boy aged 8 years. Porras CL. *J Neurosurg* 20:167-8, Feb 63  
 Meningiomas of the foramen magnum. Stein BM, et al. *J Neurosurg* 20:740-51, Sep 63

## FOREARM INJURIES

The treatment of mutilating injuries of the upper limb. Moberg E. *Surg Clin N Amer* 44:1107-13, Aug 64

## FOREIGN BODIES

Unusual foreign body in the conjunctiva. Balakrishnan E, et al. *Brit J Ophthalmol* 47:250-2, Apr 63  
 Observations on symptomatic localization of pharyngeal foreign bodies. Yorston RA. *Brit Med J* 5415:992, 17 Oct 64  
 Non-surgical retrieval of a broken segment of steel spring guide from the right atrium and inferior vena cava. Thomas J, et al. *Circulation* 30:106-8, Jul 64



Foreign body in the sphenoid sinus. Ferris KP. *J Laryng* 78:697-701, Jul 64  
Prevention of delayed implantation in rats by means of an intrauterine foreign body. Kar AB, et al. *J Reprod Fertil* 8:139-40, Aug 64  
Metallic foreign body in the maxillary sinus. Kozlowski K, et al. *Lancet* 2:698, 20 Sep 64  
Tracheal and esophageal obstructions in infants. Ochsner JL, et al. *Southern Med J* 57:1333-9, Nov 64  
[On possibilities of sensitization by foreign bodies in the mouth] Spreng MA.  
*Int Arch Allerg* 24:Suppl:15-20, 1964 (Ger)

## FORENSIC MEDICINE

Opportunities in forensic pathology. Fisher RS. *Lab Invest* 13:647-52, Jun 64

## FORMALDEHYDE

Wound healing defect in lathyrism. Berberian GM, et al. *Surg Forum* 15:50-2, 1964  
The use of formalin-preserved human erythrocytes in the toxoplasm haemagglutination test. Smit GL. *Trop Geogr Med* 16:152-8, Jun 64

## FRACTURE FIXATION

Treatment of non-union of fractures of the long bones by the two-plate method. Murray WR, et al. *J Bone Joint Surg [Amer]* 46:1027-48, Jul 64  
Osteochondral fractures of the lateral femoral condyle. Rosenberg NJ. *J Bone Joint Surg [Amer]* 46:1013-28, Jul 64  
Acute fracture of the femoral neck: internal fixation or prosthesis? Boyd HB, et al. *J Bone Joint Surg [Amer]* 46:1066-8, Jul 64  
Wound infections after surgery for fractured hip. A follow-up study. Murray DG. *JAMA* 190:505-8, 9 Nov 64  
Effect of open reduction on fracture healing. Herms RA, et al. *Surg Forum* 15:448-50, 1964

## FRACTURES

Changes in red cell mass after pelvic fracture. Zeidman H, et al. *Arch Surg (Chicago)* 89:596-601, Oct 64  
Problems of anesthesia for orthopedic procedures. Tovell RM, et al. *J Int Coll Surg* 42:429-37, Oct 64  
Fractures of the shaft of the femur resulting from automobile accidents. Kulowski J. *J Int Coll Surg* 42:412-20, Oct 64  
Thoracic spine fracture with paralysis. Aufranc OE, et al. *JAMA* 189:1018-21, 28 Sep 64  
Hazards to health: the motor scooter. Frank ED. *New Eng J Med* 271:836, 15 Oct 64  
Influence of the adrenal glands upon fracture healing. Greenburg F, et al. *Surg Forum* 15:445-6, 1964

## FRACTURES, UNUNITED

Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64  
Treatment of non-union of fractures of the long bones by the two-plate method. Murray WR, et al. *J Bone Joint Surg [Amer]* 46:1027-48, Jul 64

## FREEZE DRYING

Production of submicronic powder by spray-freezing. Werly EF, et al. *Arch Environ Health (Chicago)* 9:567-71, Nov 64

## FREUND'S ADJUVANT

Adjuvants and aspermatogenesis in the guinea pig. Katsh S. *Int Arch Allerg* 24:319-31, 1964  
Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from *Mycobacterium tuberculosis*. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64  
Nonspecific effects of liver extract-adjuvant injection in guinea pigs. A morphologic and immunologic study. Soergel KH, et al. *J Lab Clin Med* 64:51-9, Jul 64  
[Animal experimental studies on the problem of arspenamine thrombopenia] Däppen U, et al. *Int Arch Allerg* 24:Suppl:9-12, 1964 (Ger)

## FRIEDREICH'S ATAXIA

Association of diabetes mellitus and Friedreich's ataxia. A study of two siblings. Podolsky S, et al. *Arch Intern Med (Chicago)* 114:533-7, Oct 64  
Acute cerebellar ataxia associated with some features of the Hartnup Syndrome. Presentation of a case. Foiss A, et al. *Helv Paediat Acta* 19:42-9, Jun 64

## FRONTAL LOBE

Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al. *Brain* 87:233-62, Jun 64  
Mental and seizure manifestations in relation to brain

tumors. A statistical study. Güvener A, et al. *Epilepsia (Amst)* 5:166-76, Jun 64  
Intracavitary irradiation of malignant brain tumours. Drake CG, et al. *J Neurosurg* 20:428-34, May 63

## FROSTBITE

Chilblain lupus erythematosus. Bettley FR. *Proc Roy Soc Med* 57:515-6, Jun 64  
Thromboangitis obliterans: with special reference to coagulation and clot lysis. Ende N. *Vasc Dis* 1:83-8, Mar 64

## FRUCTOSE

The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction. Zewe V, et al. *J Biol Chem* 239:1625-34, May 64  
Antigenic characteristics of spermatozoa from bulls, rams and boars. 3. Absorption analysis, precipitins and fructolysis in relation to the antigenicity of bull spermatozoa. Matousek J. *J Reprod Fertil* 8:13-21, Aug 64

## FRUIT

The role of the South African banana industry in the feeding of the South African population. Radloff G. *S Afr Med J* 38:661-4, 22 Aug 64

## FRUSTRATION

Peripheral vasoconstriction induced by emotional stress in rats. Solomon GF, et al. *Angiology* 15:362-5, Aug 64

## FSH

The effect of human gonadotrophins on a patient with Simmonds's disease. Crooke AC, et al. *Acta Endocr (Kobenhavn)* 46:292-9, Jun 64  
Immunochemical and biological similarity between human luteinizing hormone and one of the antigenic components of human chorionic gonadotrophin. Shahani SK, et al. *Acta Endocr (Kobenhavn)* 46:317-30, Jun 64  
Differential action of small doses of estradiol on gonadotrophins in the rat. Parlow AF. *Endocrinology* 75:1-8, Jul 64  
Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. Crooke AC, et al. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64  
Pituitary gonadotrophin and dizygotic twinning. Crooke AC. *Lancet* 2:495-6, 20 Sep 64

## FUMARATES

Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on <sup>14</sup>C-glucose formation from labeled substrates. Wagle SR, et al. *J Biol Chem* 239:1289-91, May 64

## FUMIGATION

Industrial methyl-bromide poisoning in fumigators. A case report and field investigation. Drawneek W, et al. *Lancet* 2:855-3, 17 Oct 64

## FUNDUS OCULI

Determination of fixation in the dark-adapted eye by means of fundus photography. Siegel IM, et al. *Arch Ophthalmol (Chicago)* 72:870-1, Nov 64  
A study of bleaching of the fundus oculi in pigmentary degenerations of the retina. Gloster J, et al. *Brit J Ophthalmol* 49:260-73, May 64

## FUNGI

Observations on the experimental reproduction of asthma with mold antigens. Colen J, et al. *J Allerg* 35:331-8, Jul-Aug 64  
Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. Sonneborn DR, et al. *J Bact* 87:1321-9, Jun 64  
Respiration of basidiospores of *Schizophyllum commune*. Niederpruem WJ. *J Bact* 88:210-5, Jul 64  
Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. Sonneborn DR, et al. *J Bact* 87:1321-9, Jun 64

## FUNGICIDES

Biosynthesis of mycobacillin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al. *J Bact* 87:1402-5, Jun 64  
Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64

Biosynthesis of mycobacillin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al. *J Bact* 87:1402-5, Jun 64

## FURANS

Jaundice and 'Cardivix'. Cahal DA. *Lancet* 2:754, 3 Oct 64

## FUSARIUM

Corneal lesions produced in rabbits by an extract of *Fusarium moniliforme*. Dudley MA, et al. *Arch Ophthalmol (Chicago)* 72:346-50, Sep 64  
Anaerobic growth of *Fusarium oxysporum*. Gunner HB, et al. *J Bact* 87:1309-16, Jun 64

## GAIT

[The pelvic gait] Ducroquet R, et al. *Presse Med* 72:2095-9, 29 Aug 64 (Fr)

## GALACTOSEMIA

Determination of exogenous galactose in blood using "specially purified" glucose oxidase. Waldstein SS, et al. *Clin Chem* 10:381-90, May 64

## GALACTOSIDASE

Metabolism of intracellular polysaccharide by *Streptococcus mitis* and its relation to inducible enzyme formation. Gibbons RJ. *J Bact* 87:1512-20, Jun 64  
Alpha- and beta-d galactosidase activity of rat thyroid and spleen. A quantitative study. Monis B, et al. *Proc Soc Exp Biol Med* 118:580-2, Jul 64

## GALLAMINE TRIETHIODIDE

Contribution of muscle spindle circuits to learning as suggested by training under flaxedil. Buchwald JS, et al. *Electroenceph Clin Neurophysiol* 16:582-94, Jun 64

## GALLBLADDER

The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. *Amer J Path* 44:921-30, Jun 64

## GALLBLADDER DISEASES

Torsion of the gallbladder. Royle JP. *Aust New Zeal J Surg* 34:68-70, Aug 64  
Cholecholectasis-choangiectasis of South-East Asia. Paul M. *Aust New Zeal J Surg* 34:50-3, Aug 64  
Cholecystectomy. Zollinger RM, et al. *JAMA* 190:145-6, 12 Oct 64  
Abdominal surgery. Welch CE. *New Eng J Med* 271:943-8 concl, 29 Oct 64

## GALLBLADDER NEOPLASMS

Primary carcinoma of the gallbladder. Nield JM. *Aust New Zeal J Surg* 34:43-6, Aug 64  
Choristoma of the gall-bladder. Brunton FJ. *Clin Radiol* 15:283-5, Jul 64

## GALLIUM

A gallium-68 positron cow for medical use. Yano Y, et al. *J Nucl Med* 5:484-7, Jun 64

## GALVANIC SKIN RESPONSE

The effect of cyclobarbitone on the habituation of the psycho-galvanic reflex. Lader MH. *Brain* 87:321-40, Jun 64

## GAMMA GLOBULIN

Multiple vaccinia of the eyelids. Ogg AJ. *Brit J Ophthalmol* 47:123-5, Feb 63  
Correlation of immunofluorescence and infectivity in the developing bovine cutaneous papilloma. Smithies LK, et al. *Cancer Res* 24:674-81, May 64  
Demonstration of gamma-2 globulin in human skin. Allansmith M, et al. *J Allerg* 35:313-21, Jul-Aug 64  
Experimental eosinophilia. VII. Lymph node responses to altered gamma globulins. Cohen SG, et al. *J Allerg* 35:346-55, Jul-Aug 64  
The relationship of gamma-1A globulin and reagin in cord sera. Allansmith M, et al. *J Allerg* 35:339-45, Jul-Aug 64  
Increased globulin fractionation by an improved vertical gel electrophoretic technique. Lorber A. *J Lab Clin Med* 64:133-44, Jul 64  
Immunological removal of circulating I-131-labeled rabbit antibody to rat fibrinogen in normal and tumor-bearing rats. Spar IL, et al. *J Nucl Med* 5:428-43, Jun 64  
Serum proteins in myasthenia gravis. Kornfeld P. *JAMA* 190:463, 2 Nov 64  
Reduction of gamma globulin with long-acting



- thyroid-stimulating activity. Dorrington KJ, et al. *Lancet* 2:889-91, 24 Oct 64
- Protein bound human growth hormone. Collipp PJ, et al. *Metabolism* 13:532-8, Jun 64
- The overproduction of immunoglobulins. Martin NM. *Proc Roy Soc Med* 57:752-5, Aug 64
- Identification of rabbit, monkey, and dog antibodies with PCA activity for guinea pigs. Ovary Z, et al. *Proc Soc Exp Biol Med* 116:840-5, Jul 64
- Hemagglutination by rheumatoid factor of cells coated with animal gamma globulins. Butler VP Jr, et al. *Proc Soc Exp Biol Med* 116:585-93, Jul 64
- Changes in plasma proteins after portacaval shunt in the rat. Kennan AL. *Proc Soc Exp Biol Med* 116:543-4, Jun 64
- Influence of mercaptoethanol treatment on skin sensitizing and complement binding ability of 7 S anti-dinitrophenol-bovine gamma globulin antibody. Wiedermann G, et al. *Proc Soc Exp Biol Med* 116:448-52, Jun 64
- Passive transfer of delayed hypersensitivity to purified proteins with a cell-free factor. Cleveland JC, et al. *Surg Forum* 15:128-30, 1964
- Protein components of oviduct fluid in the primate. Marcus SL. *Surg Forum* 15:381-3, 1964

## GAMMA GLOBULIN, 7S

- The overproduction of immunoglobulins. Martin NM. *Proc Roy Soc Med* 57:752-5, Aug 64
- Immunoglobulins. Deficiencies of immunoglobulins. Squire JR. *Proc Roy Soc Med* 57:749-52, Aug 64

## GAMMA GLOBULIN, 19S

- The overproduction of immunoglobulins. Martin NM. *Proc Roy Soc Med* 57:752-5, Aug 64
- Immunoglobulins. Deficiencies of immunoglobulins. Squire JR. *Proc Roy Soc Med* 57:749-52, Aug 64

## GANGLIA, AUTONOMIC

- Nerve growth factor requirement for development of dissociated embryonic sensory and sympathetic ganglia in culture. Cohen AI, et al. *Proc Soc Exp Biol Med* 116:784-9, Jul 64

## GANGLIA, SPINAL

- A study of chromatolysis in dorsal root ganglia at the cellular level. Mackey EA, et al. *J Neuropath Exp Neurol* 23:508-28, Jul 64

## GANGLIONEUROMA

- Ganglioneuroblastoma of the stomach. Tapp E. *J Path Bact* 88:79-82, Jul 64
- Whalen JP: Role of catecholamine excretion in diagnosis and treatment of neuroblastoma: report of two cases. Voorhies ML. *Radiology* 83:92-7, Jul 64

## GANGLIONIC-BLOCKING AGENTS

- Effects of left stellate ganglion stimulation on left ventricular synchrony in dogs. Osadjan CE, et al. *Amer J Physiol* 207:181-6, Jul 64
- The use of bethanidine in the treatment of hypertension. Johnston AW, et al. *Lancet* 2:659-61, 20 Sep 64
- The choice of hypotensive agents. Palmer KN. *Practitioner* 193:43-9, Jul 64

## GANGRENE

- Post-operative gangrene of eyelid. Mortada A. *Brit J Ophthalmol* 48:114-7, Feb 64
- Amputations in the diabetic outcome and survival. Cameron HC, et al. *Lancet* 2:605-7, 19 Sep 64
- Hereditary hemorrhagic telangiectasia. Report of a case with severe complication following radical treatment. Crawford HH, et al. *Plast Reconstr Surg* 34:136-41, Aug 64

## GAS GANGRENE

- Clostridial infection. *Brit Med J* 5418:1150-1, 7 Nov 64

## GASTRECTOMY

- Roentgen finding in gastro-intestinal bleeding after resection of the stomach. Helelä T, et al. *Ann Chir Gynaec Fenn* 53:364-7, 1964
- Distal antrectomy with vagotomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. Palumbo LT, et al. *Arch Surg (Chicago)* 89:637-44, Oct 64
- Postgastrectomy internal hernia. Larsen RR, et al. *Arch Surg (Chicago)* 89:725-30, Oct 64
- Mallory-Weiss syndrome and hypofibrinogenemia. Complication during surgery. Goodman JM. *JAMA* 190:72-3, 5 Oct 64
- Cholecystitis following gastric surgery. Griffiths JM, et al. *Lancet* 2:780-2, 10 Oct 64
- Abdominal surgery. Welch CE. *New Eng J Med* 271:829-33 contd, 15 Oct 64

## GASTRIC ACIDITY DETERMINATION

- Gastric secretory activity with reference to HCl. Clinical interpretations. Sparberg M, et al. *Arch Intern Med (Chicago)* 114:508-20, Oct 64
- Spontaneous nocturnal gastric secretion-acid, pepsin. In patients with or without duodenal ulcer. Sebus J, et al. *Arch Surg (Chicago)* 89:709-15, Oct 64
- Influence of gastric freezing on antral function. Niederhuber JE, et al. *Surg Forum* 15:323-5, 1964
- Androgenic effect on gastric secretion. Elsenberg MM, et al. *Surg Forum* 15:321-3, 1964
- Gastric secretion in experimental liver disease. Baddeley RM, et al. *Surg Forum* 15:114-6, 1964

## GASTRIC FISTULA

- Management of intestinal fistulas. Chapman R, et al. *Amer J Surg* 108:157-64, Aug 64

## GASTRIC JUICE

- Chromatographic separation of pepsins from human gastric juice. Seiffers MJ, et al. *Amer J Physiol* 207:8-12, Jul 64
- Effect of total adrenalectomy on gastric secretion in chronic gastric fistula rats. Barlow SP, et al. *Amer J Physiol* 208:1309-14, Jun 64
- Mechanism of duodenal inhibition of gastric secretion. Quintana R, et al. *Arch Surg (Chicago)* 89:585-91, Oct 64
- Spontaneous nocturnal gastric secretion-acid, pepsin. In patients with or without duodenal ulcer. Sebus J, et al. *Arch Surg (Chicago)* 89:709-15, Oct 64
- Gastric secretory activity using the Kay and Hunt test meal methods. Aylett P, et al. *Clin Sci* 28:351-7, Jun 64
- Recording viscometer for nonhomogeneous biological fluids. Dworkin BR, et al. *J Appl Physiol* 19:798-800, Jul 64
- Evidence for a gastric secretagogue in the circulation and gastric juice of patients with Zollinger-Ellison syndrome. Sircus W. *Lancet* 2:871-2, 20 Sep 64
- Aspirin and gastric secretion. *Lancet* 2:882-3, 20 Sep 64
- An apparatus for continuous gastric suction. Coupland AE. *Med J Aust* 2:306-7, 22 Aug 64
- Properties of gel mucin of human gastric juice. Edward DW, et al. *Proc Soc Exp Biol Med* 116:794-9, Jul 64
- Gastric secretory response to insulin hypoglycemia. Davis RA, et al. *Surg Forum* 15:312-3, 1964
- A gastric inhibitory substance from dog antral juice. Semb LS, et al. *Surg Forum* 15:319-21, 1964
- Correlation of parietal cell population with the level of gastric secretion in dogs with Heidenhain pouches. Landor JH, et al. *Surg Forum* 15:310-2, 1964
- Fractional isolation of the antral chalone from crude gastrin. Thompson JC, et al. *Surg Forum* 15:317-9, 1964
- Histamine metabolism in pancreatic-induced hypersecretion. Howe CT, et al. *Surg Forum* 15:387-9, 1964
- Antral and pancreatic stimulation of gastric hypersecretion. Westerheide RL, et al. *Surg Forum* 15:369-71, 1964
- Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. Wilson SD, et al. *Surg Forum* 15:365-7, 1964
- Mechanism of water flow in gastric acid secretion. Moody FG, et al. *Surg Forum* 15:309-10, 1964
- A new preparation for studying gastric secretion in the rat. Swan KG, et al. *Surg Forum* 15:305-7, 1964
- Vasopressin and gastric secretion. Lawson LJ, et al. *Surg Forum* 15:118-20, 1964

## GASTRIC MUCIN

- Recording viscometer for nonhomogeneous biological fluids. Dworkin BR, et al. *J Appl Physiol* 19:798-800, Jul 64
- Properties of gel mucin of human gastric juice. Edward DW, et al. *Proc Soc Exp Biol Med* 116:794-9, Jul 64
- Mechanism of gastric injury by aspirin. Menguy RB, et al. *Surg Forum* 15:315-7, 1964

## GASTRIC MUCOSA

- Use of liver adenyl cyclase for assay of glucagon in human gastro-intestinal tract and pancreas. Makman MH, et al. *Endocrinology* 75:127-34, Jul 64
- Mechanism of gastric injury by aspirin. Menguy RB, et al. *Surg Forum* 15:315-7, 1964
- Correlation of parietal cell population with the level of gastric secretion in dogs with Heidenhain pouches. Landor JH, et al. *Surg Forum* 15:310-2, 1964
- Mechanism of water flow in gastric acid secretion. Moody FG, et al. *Surg Forum* 15:309-10, 1964

## GASTRIN

- Evidence for a gastric secretagogue in the circulation and gastric juice of patients with Zollinger-Ellison syndrome. Sircus W. *Lancet* 2:871-2, 20 Sep 64
- Fractional isolation of the antral chalone from crude gastrin. Thompson JC, et al. *Surg Forum* 15:317-9, 1964

## GASTRITIS

- Hypoparathyroidism and pernicious anaemia. Ikkala E, et al. *Acta Med Scand* 176:73-7, Jul 64

## GASTROENTEROLOGY

- [Preliminary clinical trials of Ro 4-61-61 in gastroenterology and proctology] Pradel E. *Presse Med* 72:2113-4, 29 Aug 64 (Fr)

## GASTROENTEROSTOMY

- Gastrointestinal resections and malabsorption. Larmi TK. *Ann Chir Gynaec Fenn* 53:315-27, 1964
- Postgastrectomy internal hernia. Larsen RR, et al. *Arch Surg (Chicago)* 89:725-30, Oct 64
- Complete vagotomy and its consequences: follow-up of 146 patients. Clark CG, et al. *Brit Med J* 5414:900-3, 10 Oct 64
- Mallory-Weiss syndrome and hypofibrinogenemia. Complication during surgery. Goodman JM. *JAMA* 190:72-3, 5 Oct 64

## GASTROINTESTINAL DISEASES

- Gastrointestinal complications of collagen diseases. Surgical implications. Couris GD, et al. *Arch Surg (Chicago)* 89:695-700, Oct 64
- Abdominal surgery. Welch CE. *New Eng J Med* 271:885-90 contd, 22 Oct 64
- [Diseases with autoantibodies. Clinical and experimental data] Mikol C, et al. *Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)

## GASTROINTESTINAL HORMONES

- An intestinal hormone affecting glucose disposal in man. Dupre J. *Lancet* 2:872-3, 20 Sep 64

## GASTROINTESTINAL SYSTEM

- Secretion and excretion of calcium by the human gastrointestinal tract. Heaney RP, et al. *J Lab Clin Med* 64:29-41, Jul 64

## GAUCHER'S DISEASE

- Gaucher cells in healthy relatives of patients with Gaucher's disease. Wiedermann HR, et al. *Lancet* 2:866, 17 Oct 64

## GELATIN

- Experimental peripheral nerve repair tubulation. Braun RM. *Surg Forum* 15:452-4, 1964

## GENERAL PRACTICE

- General practice to-morrow. Fry J. *Brit Med J* 5418:1064-7, 24 Oct 64
- Child care in general practice. The paediatric consultation. MacKeith R. *Brit Med J* 5418:1179-81, 7 Nov 64
- Practice expenses. *Brit Med J* 5417:1140-1, 31 Oct 64
- Practice expenses. *Brit Med J* 5415:1012-3, 17 Oct 64
- Resuscitation of newborn. Millar JR. *Brit Med J* 5418:1074-5, 24 Oct 64
- Charges for patients. Tomlins FG. *Brit Med J* 5413:880-1, 3 Oct 64
- Practice expenses. *Brit Med J* 5413:879-80, 3 Oct 64
- Practice expenses. *Brit Med J* 5417:1140-1, 31 Oct 64
- Practice expenses. *Brit Med J* 5414:945-8, 10 Oct 64
- Practice expenses. *Brit Med J* 5414:946-8, 10 Oct 64
- Our neglect of general internists and practitioners in teaching hospitals. Levine SA. *JAMA* 190:286-8, 26 Oct 64
- Incentives and remuneration. Jacob A. *Lancet* 2:748-51, 3 Oct 64
- Expenditure on N.H.S. practice premises. The Minister's letter. Barber A. *Lancet* 2:686-7, 20 Sep 64
- Hewers of wood and drawers of water. Peters LL. *Lancet* 2:634-7, 19 Sep 64
- Exploration of independence. *Lancet* 2:627-8, 19 Sep 64
- Too much work? Proposals based on a review of fifteen years' work in practice. Fry J, et al. *Lancet* 2:632-4, 19 Sep 64

## GENES

- Inheritance of resistance to influenza virus in mice. Lindenmann J. *Proc Soc Exp Biol Med* 116:506-9, Jun 64

## GENETICS

- Incorporation of bacteriophage genome by spores of *Bacillus subtilis*. Takahashi I. *J Bact* 87:14499-502, Jun 64

## GENETICS, HUMAN

- Heterogeneity of the inherited group-specific



- component of human serum. Bearn AG, et al. *J Exp Med* 120:83-91, 1 Jul 64
- A genetical approach to the study of disease. Graham JB. *Lab Invest* 13:663-9, Jun 64
- Enzymes and drug sensitivity. Acetylation polymorphisms. Evans DA. *Proc Roy Soc Med* 57:508-11, Jun 64
- [Practical diabetic problems. I. Heredity and early diagnosis] Constam GR. *Deutsch Med Wschr* 89:1831-2, 25 Sep 64 (Ger)

## GENICULATE BODIES

- Unit activity during polarization of the optic tract and lateral geniculate body. Vastola EF, et al. *Amer J Physiol* 208:1401-7, Jun 64

## GENITALIA, FEMALE

- Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Freeman JJ, et al. *Endocrinology* 74:990-3, Jun 64
- [Hyperpigmentation of the mammary areolae and of the external genitalia and gynecomastia during treatment with griseofulvin] Durand P, et al. *Minerva Med* 55:2422-5, 18 Aug 64 (It)

## GENITALIA, MALE

- [Hyperpigmentation of the mammary areolae and of the external genitalia and gynecomastia during treatment with griseofulvin] Durand P, et al. *Minerva Med* 55:2422-5, 18 Aug 64 (It)

## GEOGRAPHY

- The training of the physician. Adaptation of medical education to regional needs. Brock JF. *New Eng J Med* 271:989-93, 5 Nov 64

## GERIATRICS

- Uncertainties in geriatric data. I. Functional observations. Calloway NO. *J Amer Geriatr Soc* 12:731-6, Aug 64
- Research on human potentialities: application to geriatric programs. Otto HA. *J Amer Geriatr Soc* 12:877-86, Jul 64
- Surgical problems and pulmonary function in the geriatric patient, including observations on a man purported to be 167 years old. Glenn F, et al. *J Amer Geriatr Soc* 12:632-45, Jul 64
- Modern housing programs for the elderly in Connecticut. Riccitelli ML. *J Amer Geriatr Soc* 12:756-62, Aug 64
- Old age in Western society. I. Bower HM. *Med J Aust* 2:285-92 contd, 22 Aug 64
- Old age in Western society. II. Bower HM. *Med J Aust* 2:325-32 concl, 29 Aug 64

## GERM-FREE LIFE

- Studies of germfree animals. I. Response of mice to infection with influenza A virus. Dolowy WC, et al. *Proc Soc Exp Biol Med* 116:365-71, Jun 64
- Bacteria induced morphologic changes. Hudson JA, et al. *Proc Soc Exp Biol Med* 116:628-31, Jul 64
- Strangulation obstruction in germfree rats. Yale CE, et al. *Surg Forum* 15:294-5, 1964
- Tumor growth in germfree and monocontaminated animals. DiVincenti FC, et al. *Surg Forum* 15:350-2, 1964

## GIANT CELL TUMORS

- Seminoma. Thackray AC. *Brit J Urol* 36:Suppl:12-27, Jun 64

## GLAUCOMA

- Glaucoma following cataract extraction associated with use of alpha-chymotrypsin. Kirsch RE. *Arch Ophthalmol* (Chicago) 72:812-20, Nov 64
- Comparison between pilocarpine and echthiophate for chronic simple glaucoma. A comparison between 4 per cent pilocarpine and 0.06 per cent echthiophate iodine in the diurnal management of chronic simple glaucoma. Pratt-Johnson JA, et al. *Arch Ophthalmol* (Chicago) 72:485-8, Oct 64
- Comparability of a sample of certified Schiotz tonometers. With an evaluation of the potential influence of tonometer variability on the outcome of epidemiologic field studies. Schwartz JT, et al. *Arch Ophthalmol* (Chicago) 72:672-8, Nov 64
- Bilateral malignant glaucoma. Case report of simultaneous malignant glaucoma occurring three years after glaucoma surgery. Hoshiwara I. *Arch Ophthalmol* (Chicago) 72:601-3, Nov 64
- Effect of oral glycerol of intraocular pressure in normal and glaucomatous eyes. Drance SM. *Arch Ophthalmol* (Chicago) 72:491-3, Oct 64
- Effects of two mineralocorticoids on ocular tension.

- Frenkel M, et al. *Arch Ophthalmol* (Chicago) 72:315-8, Sep 64
- Iridectomy and hemostasis facilitated by suction. Corboy PM. *Arch Ophthalmol* (Chicago) 72:343-5, Sep 64
- Phenylthiourea taste testing and glaucoma. Becker B, et al. *Arch Ophthalmol* (Chicago) 72:323-7, Sep 64
- Avoidance of side-reactions and loss of drug efficacy during long-term administration of carbonic anhydrase inhibitors by concomitant supplemental electrolyte administration. Draeger J, et al. *Brit J Ophthalmol* 47:457-68, Aug 63
- Glaucoma and elliptocytosis. Anderson J, et al. *Brit J Ophthalmol* 48:7-12, Jan 64
- Comparative incidence of angle-closure glaucoma among different national groups in Victoria, Australia. Lowe RF. *Brit J Ophthalmol* 47:721-7, Dec 63
- Heredity glaucoma occurrence in five generations of an Edinburgh family. Cromble AL, et al. *Brit J Ophthalmol* 48:143-7, Mar 64
- Self-limiting acute closed-angle glaucoma with segmental iris shortening. Phillips CI, et al. *Brit J Ophthalmol* 47:547-54, Sep 63
- Evaluation of sustained-release acetazolamide. Mestre C, et al. *Brit J Ophthalmol* 47:31-5, Jan 63
- Pathology of trabecular nerves in open-angle glaucoma. Wolter JR, et al. *Brit J Ophthalmol* 47:1-10, Jan 63
- Hypotony following cyclodialysis. Miller SJ. *Brit J Ophthalmol* 47:211-4, Apr 63
- Marchesani's syndrome. Rahman M, et al. *Brit J Ophthalmol* 47:182-3, Mar 63
- The electro-encephalogram in blind children. Jeavons PM. *Brit J Ophthalmol* 48:83-101, Feb 64
- Hormonal influence in simple glaucoma. A preliminary report. Paterson GD, et al. *Brit J Ophthalmol* 47:129-37, Mar 63
- Surgical treatment of acute congestive glaucoma. Raheja DR. *Brit J Ophthalmol* 47:300-3, May 63
- The mitotic life. *Brit J Ophthalmol* 48:354-6, Jul 64
- Effects of transient induced elevation of the intra-ocular pressure on the visual field. Tsampanlakis JC. *Brit J Ophthalmol* 48:237-49, May 64
- Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. Nath K, et al. *Brit J Ophthalmol* 48:162-4, Mar 64
- Primary angle-closure glaucoma. Family histories and anterior chamber depths. Lowe RF. *Brit J Ophthalmol* 48:191-5, Apr 64
- Pathological findings in a case of primary congenital glaucoma compared with normal infant eyes. Speakman JS, et al. *Brit J Ophthalmol* 48:196-204, Apr 64
- Glaucoma and inactive syphilitic interstitial keratitis. Britten MJ, et al. *Brit J Ophthalmol* 48:181-90, Apr 64
- Phospholine iodide (217M1) (ecothiophate iodide) in the treatment of glaucoma. Lloyd JP. *Brit J Ophthalmol* 47:469-84, Aug 63
- [Apropos of autoimmune disease of the eye: phaco-antigen uveitis] Witmer R. *Int Arch Allerg* 24:Suppl:58-64, 1964 (Ger)

## GLIOBLASTOMA MULTIFORME

- The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64
- Fetal spongioblastoma. Duckett S, et al. *J Neuropath Exp Neurol* 23:560-4, Jul 64
- The problem of multicentric gliomas. Batzdorf U, et al. *J Neurosurg* 20:122-36, Feb 63
- Spongioblastoma polare of the cerebral hemisphere. Schisano G, et al. *J Neurosurg* 20:241-51, Mar 63
- Intracavitary irradiation of malignant brain tumours. Drake CG, et al. *J Neurosurg* 20:428-34, May 63

## GLIOMA

- The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64
- Pathology of tumours in children. Steward JK. *J Clin Path* 17:407-10, Jul 64
- Medulloblastomas and cerebellar sarcomas: a clinical survey. Berger EC, et al. *J Neurosurg* 20:139-44, Feb 63
- The problem of multicentric gliomas. Batzdorf U, et al. *J Neurosurg* 20:122-36, Feb 63
- Preoperative hormonal treatment in cases of cerebral tumor. Bernard-Weil E, et al. *J Neurosurg* 20:841-8, Oct 63
- Nasal gliomas: a report of five cases with electron microscopy of one. Smith KR Jr, et al. *J Neurosurg* 20:968-82, Nov 63
- Studies in immunization against a transplantable cerebral mouse glioma. Scheinberg LC, et al. *J Neurosurg* 20:312-7, Apr 63
- Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. *J Neurosurg* 20:474-93, Jun 63
- Intracavitary irradiation of malignant brain tumours. Drake CG, et al. *J Neurosurg* 20:428-34, May 63
- The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64

## GLOBUS PALLIDUS

- Electrocardiographic observation simultaneously with stimulation of thalamus and globus pallidus and thalamic coagulation. (Is there a neurocardiac relationship to the thalamus and globus pallidus?). Davie JC. *J Neurosurg* 20:387-9, May 63
- Microelectrode analysis of substantia nigra-globus pallidus projections. Grossman RG. *Surg Forum* 15:398-400, 1964

## GLOMERULONEPHRITIS

- Evidence for the presence of substances toxic for HeLa cells in the serum and in the dialysis fluid of patients with glomerulonephritis. Henkin RI, et al. *J Lab Clin Med* 64:79-88, Jul 64
- Electron microscopy of the diffuse glomerular lesion in diabetes mellitus with special reference to early changes. Lannigan R, et al. *J Path Bact* 88:255-61, Jul 64
- Subclinical polyneuropathy in renal insufficiency. Preswick G, et al. *Lancet* 2:731-2, 3 Oct 64
- Endogenous-creatinine clearance and glomerular-filtration rate. Berlyne GM, et al. *Lancet* 2:874-6, 24 Oct 64

## GLOSSOPHARYNGEAL NERVE

- Abnormal facial sweating. Pearce JM. *Brit J Clin Pract* 18:409-12, Jul 64
- Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. Kong Y, et al. *Circulation* 30:109-13, Jul 64
- Primary juvenile otalgia: report of a case with surgical cure. Cooper DW, et al. *J Neurosurg* 20:895-8, Oct 63

## GLUCAGON

- Relative potency of glucagon and epinephrine as hepatic glycogenolytic agents: studies with the isolated perfused rat liver. Sokal JE, et al. *Endocrinology* 74:930-3, Jun 64
- Use of liver adenyl cyclase for assay of glucagon in human gastro-intestinal tract and pancreas. Makman MH, et al. *Endocrinology* 75:127-34, Jul 64

## GLUCOKINASE

- Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. Abraham S, et al. *J Nutr* 83:273-88, Jul 64

## GLUCOSAMINE

- In vitro studies on the effect of erythropoietin on glucosamine-1-14C incorporation into rat bone marrow cells. Dukes PP, et al. *Endocrinology* 74:960-7, Jun 64
- In vitro studies of cell types responsive to erythropoietin. Takaku F, et al. *Endocrinology* 74:968-72, Jun 64

## GLUCOSE

- Insulin and epinephrine effects on platelet histamine release in a plasma-free system. Tidball ME. *Amer J Physiol* 207:177-80, Jul 64
- Cytotoxicity of autoclaved carbohydrate solutions. Jones CS. *Brit Med J* 5413:878, 3 Oct 64
- Electrocardiographic changes after glucose ingestion. Ostrander LD Jr, et al. *Circulation* 30:67-76, Jul 64
- Direct automated determination of glucose by a glucose oxidase-peroxidase system. Getchell G, et al. *Clin Chem* 10:540-8, Jun 64
- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64
- Host-parasite relationships among group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. Willoughby DS, et al. *J Bact* 87:1452-6, Jun 64
- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64
- Host-parasite relationships among group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. Willoughby DS, et al. *J Bact* 87:1452-6, Jun 64
- Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagle SR, et al. *J Biol Chem* 239:1289-91, May 64
- Effects of cortisol on the metabolism of glucose by lymphoid tissue. Blecher M. *J Biol Chem* 239:1299-300, May 64
- Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. Dietrich LS, et al. *J Biol Chem* 239:1653-5, May 64
- The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction. Zewe V, et al. *J Biol Chem* 239:1625-34, May 64
- The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64



- Effects of urea and other dehydrating agents upon dog brain. Goldstein SL, et al. *J Neurosurg* 21:672-7, Aug 64
- The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. Fabry P, et al. *Lancet* 2:614-5, 19 Sep 64
- An intestinal hormone affecting glucose disposal in man. Dupre J. *Lancet* 2:672-3, 20 Sep 64
- Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. Goldman JK, et al. *Metabolism* 13:572-8, Jun 64
- The effects of metopirone on glucose metabolism. Liguori G, et al. *Metabolism* 13:499-506, Jun 64
- The effect of glucose loads on renal uric acid excretion in diabetic patients. Padova J, et al. *Metabolism* 13:507-12, Jun 64

## GLUCOSE INJECTION

- Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. Kosaka K, et al. *Endocrinology* 75:9-14, Jul 64

## GLUCOSE METABOLISM

- Insulin and epinephrine effects on platelet histamine release in a plasma-free system. Tidball ME. *Amer J Physiol* 207:177-80, Jul 64
- Tissue glycogen fractions of the hypothermic rat, hamster, and turtle. Platner WS, et al. *Amer J Physiol* 207:42-6, Jul 64
- Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al. *Amer J Physiol* 207:71-6, Jul 64
- The incorporation of radioactivity from [14C]glucose into the soluble metabolic intermediates of malaria parasites. Bryant C, et al. *Amer J Trop Med* 13:515-9, Jul 64
- Effect of adrenocortical hormones on release of free fatty acids and uptake of glucose in human peripheral tissues. Jenkins JS, et al. *Clin Sci* 26:421-7, Jun 64
- Metabolism of intracellular polysaccharide by *Streptococcus mitis* and its relation to inducible enzyme formation. Gibbons RJ. *J Bact* 87:1512-20, Jun 64
- Quantitative studies on glycolytic enzymes in *Lactobacillus plantarum*. II. Intracellular concentrations of glycolytic intermediates in glucose-metabolizing washed cells. Mizushima S, et al. *J Bact* 87:1429-35, Jun 64
- Metabolism of intracellular polysaccharide by *Streptococcus mitis* and its relation to inducible enzyme formation. Gibbons RJ. *J Bact* 87:1512-20, Jun 64
- Quantitative studies on glycolytic enzymes in *Lactobacillus plantarum*. II. Intracellular concentrations of glycolytic intermediates in glucose-metabolizing washed cells. Mizushima S, et al. *J Bact* 87:1429-35, Jun 64
- Carbon-14 studies of energy metabolism in various thyroid states. Gordon ES, et al. *Metabolism* 13:591-608, Jul 64
- Study of the effect of uremic metabolites on erythrocyte glycolysis. Morgan JM, et al. *Metabolism* 13:629-35, Jul 64
- Are thyroid hormones diabetogenic? A study of peripheral glucose metabolism during glucose infusions in normal subjects and hyperthyroid patients before and after treatment. Butterfield WJ, et al. *Metabolism* 13:620-8, Jul 64
- Effect of the insulin-inhibitory albumin fraction from normal and diabetic subjects on adipose tissue. Alp H, et al. *Metabolism* 13:609-19, Jul 64
- Effect of parathyroid hormone on mucopolysaccharide synthesis in rachitic rat cartilage in vitro. Guri CD, et al. *Proc Soc Exp Biol Med* 116:702-5, Jul 64
- An in vitro effect of insulin on the preputial gland. Freinkel RK. *Proc Soc Exp Biol Med* 116:680-2, Jul 64
- Effects of growth hormone on glucose-U-C14 metabolism in dog. Wagle SR, et al. *Proc Soc Exp Biol Med* 116:793-4, Jul 64
- Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64

## GLUCOSE OXIDASE

- Determination of exogenous galactose in blood using "specially purified" glucose oxidase. Waldstein SS, et al. *Clin Chem* 10:381-90, May 64

## GLUCOSE TOLERANCE TEST

- L-leucine sensitivity and glucose tolerance in normal subjects. Becker FO, et al. *J Clin Endocr* 24:554-9, Jun 64
- New interpretation of oral glucose tolerance. Balsano F, et al. *Lancet* 2:865, 17 Oct 64
- Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. Bleicher SJ, et al. *New Eng J Med* 271:866-72, 22 Oct 64

## GLUCOSEPHOSPHATASE

- Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagle SR, et al. *J Biol Chem* 239:1289-91, May 64
- Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64
- Variations in the enzyme histochemistry of the placenta. Curzen P. *J Obstet Gynaec Brit Comm* 71:388-99, Jun 64

## GLUCOSEPHOSPHATE

### DEHYDROGENASE

- Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64
- Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64
- Variations in the enzyme histochemistry of the placenta. Curzen P. *J Obstet Gynaec Brit Comm* 71:388-99, Jun 64
- Experimental hydronephrosis: morphologic and enzymatic studies of renal tubules in ureteric obstruction and recovery in the rat. II. Pentose phosphate pathway. Kissane JM, et al. *Lab Invest* 13:547-51, Jun 64
- Leucocyte enzymes in Down's syndrome. Mellman WJ, et al. *Lancet* 2:674-5, 20 Sep 64

## GLUCOSEPHOSPHATE DEHYDROGENASE DEFICIENCY

- Enzymes and drug sensitivity. Glucose 6-phosphate dehydrogenase deficiency. Prankerd TA. *Proc Roy Soc Med* 57:506-8, Jun 64
- [On a special form of Gierke's glycogenosis with increased alpha-glucosidase activity in the liver and complete lack of glucose-6-phosphatase] Bauer B. *Helv Paediat Acta* 19:13-28, Jun 64 (Ger)

## GLUCOSIDASE

- Generalized glycogenosis. Report of a case with deficiency of alpha glucosidase. Kahana D, et al. *J Pediat* 65:243-51, Aug 64
- [On a special form of Gierke's glycogenosis with increased alpha-glucosidase activity in the liver and complete lack of glucose-6-phosphatase] Bauer B. *Helv Paediat Acta* 19:13-28, Jun 64 (Ger)

## GLUCOSYLTRANSFERASES

- Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64
- Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64
- Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64

## GLUCURONATES

- Incorporation of 14C and 3H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. Silbert JE. *J Biol Chem* 239:1310-5, May 64

## GLUCURONIDASE

- Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. Hoch-Liget C, et al. *Brit J Cancer* 18:271-84, Jun 64

## GLUTAMATE DEHYDROGENASE

- Metabolic adaptations in higher animals. 10. Glutamic dehydrogenase activity of rats consuming high protein diets. Wergedal JE, et al. *Proc Soc Exp Biol Med* 116:600-4, Jul 64

## GLUTAMATES

- Transformation to prototrophy and polyglutamic acid synthesis in *Bacillus licheniformis*. Leonard CG, et al. *J Bact* 88:220-5, Jul 64
- The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64
- Quantitative estimation of formiminoglutamic acid in urine. Kohn J. *J Clin Path* 17:466-7, Jul 64
- Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64

## GLUTAMINASE

- Effect of administration of the enzyme glutaminase on the growth of cancer cells. Greenberg DM, et al. *Cancer Res* 24:957-63, Jul 64

## GLUTAMINE

- Host-parasite relationships among group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. Willoughby DS, et al. *J Bact* 87:1452-6, Jun 64
- Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. Dietrich LS, et al. *J Biol Chem* 239:1653-5, May 64

## GLUTATHIONE

- Effects of bromobenzene on mouse tissue sulfhydryl and insulin-I-131 metabolism. Beck LV, et al. *Proc Soc Exp Biol Med* 116:283-8, Jun 64
- Conditions of reactivation of arthus-type inflammation by thiol compounds. Hayashi H, et al. *Proc Soc Exp Biol Med* 116:417-20, Jun 64

## GLUTEN

- Effect of protein nutrition on leukocyte mobilization. Gray I. *Proc Soc Exp Biol Med* 116:414-6, Jun 64

## GLUTETHIMIDE

- Autoradiographic investigations of 14-C-labelled thalidomide and glutethimide in pregnant mice. Koransky W, et al. *Proc Soc Exp Biol Med* 116:512-6, Jun 64

## GLYCERALDEHYDE

- Inhibition of amino acid incorporation into protein of Yoshida ascites hepatoma cells by glyceraldehyde. Guidotti GG, et al. *Cancer Res* 24:900-5, Jun 64

## GLYCERIDES

- Effect of controlled breakfast on serum cholesterol and triglycerides. Schilling FJ, et al. *Amer J Clin Nutr* 15:1-4, Jul 64
- Carnitine effects on palmitate-I-C-14 conversion to CO2 and glycerides by various tissues. Fritz IB. *Amer J Physiol* 206:1217-22, Jun 64
- Lipids of human platelets and their action on the blood coagulation process. Woodside EE, et al. *Blood* 24:76-91, Jul 64
- The fatty acid composition of the sterol-wax ester and mono- and diglyceride fractions of mouse epidermis undergoing normal and abnormal growth changes. Carruthers C, et al. *Cancer Res* 24:1008-11, Jul 64
- The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. *J Biol Chem* 239:1335-45, May 64
- Serum lipid pattern in normal pregnancy and pre-eclampsia. Kontinen A, et al. *J Obstet Gynaec Brit Comm* 71:453-8, Jun 64
- Effects of medium- and long-chain saturated triglycerides on blood and liver cholesterol of chickens and rats. Fisher H, et al. *Proc Soc Exp Biol Med* 116:278-80, Jun 64

## GLYCERIN

- Effect of oral glycerol of intraocular pressure in normal and glaucomatous eyes. Drance SM. *Arch Ophthalm (Chicago)* 72:491-3, Oct 64
- Use of dimethyl sulphoxide for preserving corneal tissue. Platts S, et al. *Brit J Ophthal* 47:334-8, Jun 63
- Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic systems in vitro. Woolfrey BF. *Lab Invest* 13:581-6, Jun 64
- Incidence of endogenous lipoprotein lipase activity in human plasma. Engelberg H. *Proc Soc Exp Biol Med* 116:422-5, Jun 64

## GLYCEROLPHOSPHATE

### DEHYDROGENASE

- Thyroxine and antithyrototoxic effects in the chick. Westerfeld WW, et al. *J Nutr* 83:325-31, Aug 64
- An antithyrototoxic assay based upon the response of rat liver alpha-glycerophosphate dehydrogenase. Richert DA, et al. *J Nutr* 83:332-42, Aug 64

## GLYCERYL TRINITRATE

- Effects of several cardiovascular drugs on various phases of circulatory dynamics. Aldinger EE. *Amer Heart J* 68:55-65, Jul 64

## GLYCINE

- Separation of the effects of growth hormone on muscle



amino acid transport and protein synthesis. Kostyo JL. *Endocrinology* 75:113-9, Jul 64

Fine structure of *Brucella suis* spheroplasts. Hines WD, et al. *J Bact* 87:1492-8, Jun 64

Development of L-type growth in *Neisseria gonorrhoeae* cultures. Dienes L, et al. *J Bact* 87:1471-8, Jun 64

Fine structure of *Brucella suis* spheroplasts. Hines WD, et al. *J Bact* 87:1492-8, Jun 64

Development of L-type growth in *Neisseria gonorrhoeae* cultures. Dienes L, et al. *J Bact* 87:1471-8, Jun 64

Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic systems in vitro. Woolfrey BF. *Lab Invest* 13:581-6, Jun 64

Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64

Response to mannitol under conditions simulating irrigant infusion during transurethral resection. Jones WR, et al. *Surg Forum* 15:483-5, 1964

[Idiopathic hyperglycinemia (glycinosis)] Schreier K, et al. *Deutsch Med Wschr* 89:1739-43, 11 Sep 64 (Ger)

## GLYCOGEN

Tissue glycogen fractions of the hypothermic rat, hamster, and turtle. Platner WS, et al. *Amer J Physiol* 207:42-6, Jul 64

Effect of stress on glycogen and phosphorylase in the rat anterior pituitary. Jacobowitz D, et al. *Endocrinology* 75:86-8, Jul 64

Alterations in muscle and liver glycogen secondary to fracture. Wray JB. *Metabolism* 13:551-6, Jun 64

Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64

## GLYCOGENOSIS

Generalized glycogenosis. Report of a case with deficiency of alpha glucosidase. Kahana D, et al. *J Pediat* 65:243-51, Aug 64

Liver deglycogenation after portacaval transposition. Sexton AW, et al. *Surg Forum* 15:120-2, 1964

[How to recognize and treat hepatic glycogenosis] Frezal J, et al. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)

[On a special form of Gierke's glycogenosis with increased alpha-glucosidase activity in the liver and complete lack of glucose-6-phosphatase] Bauer B. *Helv Paediat Acta* 19:13-28, Jun 64 (Ger)

## GLYCOLATES

Bound intracellular glycolic and D-lactic acids in *Mycobacterium ranae*. Fowler AV, et al. *J Bact* 87:1528-9, Jun 64

## GLYCOLS

New freeze-protecting compounds and their screening. Halasz NA, et al. *Surg Forum* 15:214-5, 1964

## GLYCOPROTEINS

Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. *Cancer Res* 24:614-8, May 64

Changes in glycoproteins in serum, urine and aqueous humor after gonadectomy or sex hormone injections in rats. Houssay AB, et al. *Endocrinology* 74:825-32, Jun 64

Detection of a prealbumin in sera of children following extensive burns. Lytle RI, et al. *J Lab Clin Med* 64:117-24, Jul 64

Synthesis of plasma protein fractions in burned patients. Kukral JC, et al. *Surg Forum* 15:43-5, 1964

## GLYCOSIDE HYDROLASES

Quantitative studies on glycolytic enzymes in *Lactobacillus plantarum*. II. Intracellular concentrations of glycolytic intermediates in glucose-metabolizing washed cells. Mizushima S, et al. *J Bact* 87:1429-35, Jun 64

## GOITER

Thyroid nodules and cancer. *Brit Med J* 5416:1022, 24 Oct 64

Radioactive iodine and surgery of the thyroid. Friedell MT. *J Amer Geriatr Soc* 12:737-48, Aug 64

Goiter in Gandhara. A representation in a second to third century AD frieze. Blumberg BS. *JAMA* 189:1008-12, 28 Sep 64

Immunologic inhibition of endogenous or exogenous thyrotropin in various species. Garcia AM, et al. *Proc Soc Exp Biol Med* 116:467-71, Jun 64

[The Achilles reflexogram in thyroid disorders and in electrolyte metabolism disorders] Kissel P, et al. *Presse Med* 72:2201-4, 19 Sep 64 (Fr)

## GOITER, EXOPHTHALMIC

Childhood thyrotoxicosis: a long-term perspective. Saxena KM, et al. *Brit Med J* 5418:1153-8, 7 Nov 64

[Exploration of the hypophyso-thyroid couple by the use of an imidazole derivative. Apropos of 25 personal cases] Bricaire H, et al. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)

## GOLD COLLOID, RADIOACTIVE

Endolymphatic therapy with radioactive gold for malignant melanoma. Jantet GH, et al. *Brit Med J* 5414:904-6, 10 Oct 64

## GOLD ISOTOPES

Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD. *Brit J Ophthal* 47:257-65, May 63

Management of malignant melanoma. Green A. *Brit Med J* 5418:1200-1, 7 Nov 64

## GONADOTROPINS

Serotonin: suppression of luteinization in gonadotrophin-treated, immature rats. O'Steen WK. *Endocrinology* 74:885-8, Jun 64

## GONADOTROPINS, CHORIONIC

The origin of urinary dehydroepiandrosterone in boars. Huis in't Veld LG, et al. *Acta Endocr (Kobenhavn)* 46:185-96, Jun 64

The urinary excretion of pregnanediol and pregnanetriol in the polycystic ovary (Stein-Leventhal) syndrome. Lanthier A, et al. *Acta Endocr (Kobenhavn)* 46:245-55, Jun 64

The effect of human gonadotrophins on a patient with Simmonds's disease. Crooke AC, et al. *Acta Endocr (Kobenhavn)* 46:292-9, Jun 64

Immunochemical and biological similarity between human luteinizing hormone and one of the antigenic components of human chorionic gonadotrophin. Shahani SK, et al. *Acta Endocr (Kobenhavn)* 46:317-30, Jun 64

Pituitary gonadotrophin inhibitory action of neutral steroids. Kinel FA, et al. *Acta Endocr (Kobenhavn)* 46:300-6, Jun 64

Influence of hypothyroidism and chorionic gonadotrophin on ovarian collagen in the rat. Adams WC, et al. *Endocrinology* 75:138-9, Jul 64

Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. Crooke AC, et al. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64

New method for diagnosis of hydatidiform mole. Wide L, et al. *Lancet* 2:699, 20 Sep 64

Chorionic gonadotropin levels in triplet gestation. Report of 2 cases. Jacobowitz WE. *Obstet Gynec* 23:788-92, May 64

## GONADOTROPINS, EQUINE

Immunochemical and biological similarity between human luteinizing hormone and one of the antigenic components of human chorionic gonadotrophin. Shahani SK, et al. *Acta Endocr (Kobenhavn)* 46:317-30, Jun 64

Diagnostic ovarian stimulation with heterologous gonadotrophin. Shearman RP. *Brit Med J* 5417:1115-6, 31 Oct 64

## GONADOTROPINS, PITUITARY

Hormone investigations in cases of testicular tumour. Symington T, et al. *Brit J Urol* 36:Suppl:103-6, Jun 64

The Chiari-Frommel syndrome. An experiment of nature. Chard T. *J Obstet Gynaec Brit Comm* 71:624-6, Aug 64

Metabolism of rat pituitary gonadotrophin. Dasgupta PR, et al. *Proc Soc Exp Biol Med* 116:253-5, Jun 64

[Pregnancy after hypophysectomy and treatment with human pituitary gonadotrophin] Bettendorf G, et al. *Deutsch Med Wschr* 89:1952-7, 9 Oct 64 (Ger)

## GONIOSCOPY

Features of the peripheral iris as seen by gonioscopy after cataract extraction. Abrams JD. *Brit J Ophthal* 47:713-20, Dec 63

## GOSSYPOL

All-vegetable protein mixtures for human feeding. XV. Studies in dogs on the absorption of gossypol from cottonseed flour-containing vegetable protein mixtures. Bressani R, et al. *J Nutr* 83:209-17, Jul 64

## GOUT

Pseudogout. *Brit Med J* 5414:889-90, 10 Oct 64

Hemolytic complement in synovial fluid. Pekin TJ Jr, et al. *J Clin Invest* 43:1372-82, Jul 64

Diabetes mellitus in patients with gouty arthritis. Ishmael WK, et al. *JAMA* 190:396-8, 26 Oct 64

Janower ML: Painful joints. *JAMA* 190:232-4, 19 Sep 64

## GRAAFIAN FOLLICLE

Some properties of pig follicular fluid. Shivers CA, et al. *J Reprod Fertil* 8:115-20, Aug 64

Calcification of the ovarian follicle in rats. Grob HS, et al. *Proc Soc Exp Biol Med* 116:766-8, Jul 64

Follicular fluid electrolytes in ovulation. Rondell PA. *Proc Soc Exp Biol Med* 116:336-9, Jun 64

## GRAIN

Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. Carew LB Jr, et al. *J Nutr* 83:300-6, Aug 64

Observations on the effects of the addition of different levels of sodium chloride to a protein-depletion diet. Thatcher GN, et al. *S Afr Med J* 38:682-4, 22 Aug 64

Production and consumption of maize in South Africa. Nolte NC. *S Afr Med J* 38:642-5, 22 Aug 64

The effect of soil fertilization practices on the total protein and zein content of maize. Quicke GV, et al. *S Afr Med J* 38:645-8, 22 Aug 64

A preliminary note on the nutrient composition and protein value of green maize. Dreyer JJ, et al. *S Afr Med J* 38:648-52, 22 Aug 64

## GRANULATION TISSUE

On the granulation of wounds. Grossman AR. *Plast Reconstr Surg* 34:199, Aug 64

## GRANULOMA

Granuloma faciale in a Japanese man. Higashi N, et al. *Arch Derm (Chicago)* 90:432-4, Oct 64

Probable berylliosis from beryllium alloys. Lieben J, et al. *Arch Environ Health (Chicago)* 9:473-7, Oct 64

An unusual Mooren's ulcer. Dugmore W. *Brit J Ophthal* 47:365-8, Jun 63

Chronic granuloma of the orbit caused by grease-gun injury. Dallas NL. *Brit J Ophthal* 48:158-9, Mar 64

Inflammatory lesions simulating malignancy. Morgan AD. *Brit J Urol* 36:Suppl:95-102, Jun 64

Mycobacterial skin ulcers in Uganda: histopathological and experimental aspects. Dodge OG. *J Path Bact* 88:169-74, Jul 64

Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. Lerner LJ, et al. *Proc Soc Exp Biol Med* 116:385-8, Jun 64

Granuloma of the skin due to *Mycobacterium fortuitum*. Shocket E, et al. *Southern Med J* 57:1352-6, Nov 64

[On possibilities of sensitization by foreign bodies in the mouth] Spreng MA. *Int Arch Allerg* 24:Suppl:15-20, 1964 (Ger)

## GRANULOMA, LETHAL MIDLINE

Antimetabolite therapy in midline lethal granuloma. Von Leden H, et al. *Arch Otolaryng (Chicago)* 80:460-8, Oct 64

## GRANULOSA CELL TUMOR

A spontaneous transplantable ovarian tumour of the CBA mouse. Whiteley HJ, et al. *Brit J Cancer* 18:252-4, Jun 64

## GRASSES

Studies on magnesium in ruminant nutrition. 5. The indirect determination of the intake of magnesium, calcium and potassium by the grazing cow. Field AC. *Brit J Nutr* 18:357-68, 1964

Influence of dried -grass silage and silage fractions on the basal metabolic rate of rats. McLaren GA, et al. *J Nutr* 83:218-24, Jul 64

## GRISEOFULVIN

Who will benefit from griseofulvin? Kingery FA. *JAMA* 190:149, 12 Oct 64

A new treatment for intractable pruritus vulvae and ani. Rubin A. *Obstet Gynec* 23:669-70, May 64

Effect of griseofulvin-methotrexate combination treatment upon Ehrlich's ascites tumor growth. Walker EE. *Surg Forum* 15:360-2, 1964

## GROUP PROCESSES

Use of group balance as a therapeutic technique. Samuels AS. *Arch Gen Psychiat (Chicago)* 11:411-20, Oct 64



## GROWTH

- Completion of growth in the lower limbs in relation to biological development, menarche, and inherited factors. Nordentoft EL.  
*Acta Orthop Scand* 34:213-24, 1964
- Supraaortic aortic stenosis. Underdevelopment and characteristic facies. Farrehi C, et al.  
*Amer J Dis Child* 108:335-40, Oct 64
- Effects of rhinencephalic lesions on endocrine and somatic development in the rat. Kling A.  
*Amer J Physiol* 206:1395-400, Jun 64
- Studies of the growth-promoting activity for chicks of fish solubles. Harrison GF, et al.  
*Brit J Nutr* 18:461-6, 1964
- Nitrogen balance studies with the milk-fed lamb. S. Effect of different nitrogen intakes on growth and nitrogen balance. Walker DM, et al.  
*Brit J Nutr* 18:295-308, 1964
- The intake of milk and the retention of its constituents while the newborn rabbit doubles its weight. Davies JS, et al. *Brit J Nutr* 18:385-92, 1964
- Severe undernutrition in growing and adult animals. 12. The extremities of the long bones in pigs. Pratt CW, et al. *Brit J Nutr* 18:393-408, 1964
- Growth of rats from normal dams restricted in diet in previous pregnancies. Chow BF.  
*J Nutr* 83:289-92, Aug 64
- Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relations between isoleucine and leucine for growth. Chance RE, et al.  
*J Nutr* 83:177-85, Jul 64
- Effects of feeding frequency on metabolism, rate and efficiency of gain and on carcass quality of pigs. Friend DW, et al. *J Nutr* 83:251-6, Jul 64
- Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. Verdino B, et al.  
*J Nutr* 83:234-8, Jul 64
- Treatment of short stature in children and adolescents with human pituitary growth hormone (Raben). Soyka LF, et al. *New Eng J Med* 271:754-64, 8 Oct 64
- Neonatal thymectomy in the dog. Tilney NL, et al.  
*Surg Forum* 15:123-4, 1964
- [How to treat growth retardation] Royer P, et al.  
*Presse Med* 72:2161-4, 12 Sep 64 (Fr)

## GROWTH SUBSTANCES

- Studies of the growth-promoting activity for chicks of fish solubles. Harrison GF, et al.  
*Brit J Nutr* 18:461-6, 1964
- Use of *Arthrobacter terregens* for bioassay of mycobactin. Relch CV, et al. *J Bact* 87:1317-20, Jun 64
- Nerve growth factor requirement for development of dissociated embryonic sensory and sympathetic ganglia in culture. Cohen AI, et al.  
*Proc Soc Exp Biol Med* 116:784-9, Jul 64

## GUAACOL GLYCERYL ETHER

- Clinical study with oxtriphylline-glyceryl gualacolate tablets in chronic pulmonary disease: a double-blind crossover study. Puls RJ.  
*Curr Ther Res* 8:353-8, May 64

## GUANETHIDINE

- Effects of guanethidine on renal function. Abrahamson AM, et al. *Acta Med Scand* 176:59-63, Jul 64
- Guanethidine and phenoxymethylamine in atopic dermatitis. A clinical trial. Verma BS, et al.  
*Arch Derm (Chicago)* 90:414-7, Oct 64
- Guanethidine and methyl dopa: a haemodynamic study. Chamberlain DA, et al. *Brit Heart J* 28:528-36, Jul 64
- Bilateral renal artery stenosis with aldosteronism. Blagg CR, et al. *Brit J Radiol* 37:554-7, Jul 64
- Effects of guanethidine, reserpine, and methyl dopa on reflex venous and arterial constriction in man. Mason DT, et al. *J Clin Invest* 43:1449-63, Jul 64
- Guanethidine in familial porphyria. Wahlberg P.  
*Lancet* 2:817-8, 10 Oct 64
- The choice of hypotensive agents. Palmer KN.  
*Practitioner* 193:43-9, Jul 64
- DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al.  
*Proc Soc Exp Biol Med* 116:705-12, Jul 64
- Effect of catecholamine depletion on an index of myocardial contractility in isolated rabbit hearts. Maxwell RA, et al.  
*Proc Soc Exp Biol Med* 116:672-4, Jul 64

## GUANIDINES

- Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al.  
*Amer J Physiol* 207:71-6, Jul 64
- To-day's drugs. Bethanidine sulphate.  
*Brit Med J* 5413:885, 3 Oct 64
- The use of bethanidine in the treatment of hypertension. Johnston AW, et al.  
*Lancet* 2:659-61, 20 Sep 64

## GUANINE

- Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. De Lamirande G.  
*Cancer Res* 24:742-50, May 64

## GUANINE NUCLEOTIDES

- Laevadosin for muscular dystrophy. Thomson WH.  
*Brit Med J* 5417:1135-6, 31 Oct 64
- Biochemical and carcinostatic effects of 2'-deoxythioguanosine. LePage GA, et al.  
*Cancer Res* 24:835-40, Jun 64
- Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64

## GUINEA PIGS

- Chagas' disease in Peru. I. The epidemiological importance of the guinea pig. Herrera A.  
*Trop Geogr Med* 16:146-51, Jun 64

## GYNECOLOGIC DISEASES

- Congenital absence of the vagina: a simple operation for its relief. Williams EA.  
*J Obstet Gynaec Brit Comm* 71:511-2, Aug 64
- The Chiari-Frommel syndrome. An experiment of nature. Chard T.  
*J Obstet Gynaec Brit Comm* 71:624-6, Aug 64
- Postoperative prophylactic anticoagulants in gynaecology. A ten-year study. Bottomley JE, et al.  
*Lancet* 2:835-6, 17 Oct 64
- Utero-tubal implantation. Peel J.  
*Proc Roy Soc Med* 57:710-4, Aug 64
- [Ovarian insufficiency. Clinical features, therapy and prognosis] Staemmler HJ.  
*Deutsch Med Wschr* 89:1925-32, 9 Oct 64 (Ger)

## GYNECOLOGIC NEOPLASMS

- The use of mepergan for relief of pain in gynecologic tumor patients. Ullery JC, et al.  
*Curr Ther Res* 8:385-6, May 64

## GYNECOLOGY

- Vaginal electro potentials—a new technique for assessing the estrogenic status of patients. Mozden PJ, et al. *Surg Forum* 15:379-81, 1964

## GYNECOMASTIA

- [Hyperpigmentation of the mammary areolae and of the external genitalia and gynecomastia during treatment with griseofulvin] Durand P, et al.  
*Minerva Med* 55:2422-5, 18 Aug 64 (It)

## HAEMOPHILUS

- Porcine contagious pleuropneumonia. 3. Interrelationship of *Haemophilus pleuropneumoniae* to other species of *Haemophilus*: nutritional, metabolic, transformation, and electron microscopy studies. White DC, et al. *J Exp Med* 120:1-12, 1 Jul 64
- Is *Haemophilus vaginalis* a pathogen in the female genital tract? Frampton J, et al.  
*J Obstet Gynaec Brit Comm* 71:436-42, Jun 64
- The nasal flora of Auyana people in the Eastern highlands of New Guinea. Rountree PM, et al.  
*Med J Aust* 2:336-7, 29 Aug 64
- Brain abscess due to *Haemophilus aphrophilus*. Isom JB, et al. *New Eng J Med* 271:1059-61, 12 Nov 64

## HAEMOPHILUS INFLUENZAE

- Haemophilus influenzae* type-C bronchopneumonia. Lowe MB. *J Path Bact* 88:315-6, Jul 64

## HAIR

- Cosmetics and the dermatologist. Hair colourings. I. Thorne N. *Brit J Clin Pract* 18:427-30 concl, Jul 64

## HALLUCINATIONS

- Psychosis and convulsions following withdrawal from ethchlorvynol. Blumenthal MD, et al.  
*JAMA* 190:154-5, 12 Oct 64
- [CB-8089 (benzperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagon C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)

## HALLUCINOGENS

- DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al.  
*Proc Soc Exp Biol Med* 116:705-12, Jul 64

## HALOTHANE

- Preservation of volatile anesthetics in blood and tissue. Lowe HJ. *Anesthesiology* 25:566-8, Jul-Aug 64
- The contribution of halothane to anaesthesia. Smith M. *New Zeal Med J* 63:444-7, Jul 64
- Effects of anesthetic agents on pulmonary vascular resistance during hypoxia. Buckley MJ, et al.  
*Surg Forum* 15:183-4, 1964

## HAMSTERS

- Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. Browne HG, et al. *Amer J Trop Med* 13:558-71, Jul 64
- [The importance of the baboon, hamster and sand rat in experimental pathology] Ravina A.  
*Presse Med* 72:2243-4, 19 Sep 64 (Fr)

## HAND

- Occupational Raynaud's. II. Further studies of this disorder in uranium mine workers. Ashe WF, et al.  
*Arch Environ Health (Chicago)* 9:425-33, Oct 64
- The open palm technique in Dupuytren's contracture. McCash CR. *Brit J Plast Surg* 17:271-80, Jul 64
- Hand disability due to tenosynovitis. Kelly AP Jr, et al.  
*Industr Med Surg* 33:570-4, Aug 64
- Management of the burned hand. Harttrampf CR Jr. *Southern Med J* 57:1342-5, Nov 64
- Sterling Bunnell—Surgical giant at work. (Bunnell S), et al. *Surg Clin N Amer* 44:889-95, Aug 64
- Local anaesthetic procedures for the arm and hand. Bromage PR. *Surg Clin N Amer* 44:919-23, Aug 64
- Arm tourniquet tolerance in unanesthetized adults. Bennett JE, et al. *Surg Forum* 15:463-5, 1964

## HAND DEFORMITIES

- Brachydactyly, peculiar facies and mental retardation. Coffin GS. *Amer J Dis Child* 108:351-9, Oct 64
- Transposition of the lateral slips of the aponeurosis in treatment of long-standing "boutonnière deformity" of the fingers. Matev I.  
*Brit J Plast Surg* 17:281-6, Jul 64
- Page-turner for patients with paralysed hands. Russell WR, et al. *Lancet* 2:893-4, 24 Oct 64
- Surgical treatment of rheumatoid arthritis. Entin MA. *Surg Clin N Amer* 44:1081-90, Aug 64
- Reconstruction of congenital aplasia of radial component. Entin MA.  
*Surg Clin N Amer* 44:1091-105, Aug 64
- Restoration of function of paralyzed hand. Entin MA. *Surg Clin N Amer* 44:1049-59, Aug 64
- Surgery of the hand in cerebral palsy. Swanson AB. *Surg Clin N Amer* 44:1061-70, Aug 64

## HAND INJURIES

- Grease-gun injury. Smith MG.  
*Brit Med J* 5414:918-20, 10 Oct 64
- Levels of amputation of fingers and hand—Considerations for treatment. Swanson AB. *Surg Clin N Amer* 44:1115-26, Aug 64
- The treatment of mutilating injuries of the upper limb. Moberg E. *Surg Clin N Amer* 44:1107-13, Aug 64
- The diagnosis and treatment of arterial injuries of the upper extremity. MacLean LD.  
*Surg Clin N Amer* 44:1037-47, Aug 64
- Evaluation and management of nerve injuries in the hand. Moberg E. *Surg Clin N Amer* 44:1019-29, Aug 64
- Neurosurgical disorders affecting the hand. Feindel W. *Surg Clin N Amer* 44:1031-6, Aug 64
- Crushing and avulsing injuries of the hand. Entin MA. *Surg Clin N Amer* 44:1009-18, Aug 64
- Evaluation of impairment of function in the hand. Swanson AB. *Surg Clin N Amer* 44:925-40, Aug 64
- Skeletal reconstruction of the hand. Butler AA. *Surg Clin N Amer* 44:995-1008, Aug 64
- Fundamental principles of plastic surgery as applied to injuries of the upper extremity. Baxter H. *Surg Clin N Amer* 44:971-6, Aug 64
- Practical considerations for primary and secondary repair in flexor tendon injuries. Verdan C. *Surg Clin N Amer* 44:951-70, Aug 64
- The management of burned hands. Drummond JA. *Surg Clin N Amer* 44:977-9, Aug 64
- Infections of the hand. Entin MA. *Surg Clin N Amer* 44:981-93, Aug 64
- Dressings, splints and postoperative care in hand surgery. Moberg E. *Surg Clin N Amer* 44:941-9, Aug 64
- [Muscle-tendon transplantations for paralysis of the upper extremity] Iselin F.  
*Presse Med* 72:2339-42, 26 Sep 64 (Fr)

## HANDICAPPED

- Profitable employment of the handicapped. Burr HB. *Industr Med Surg* 33:575-9, Aug 64
- [The responsibility of the physician for rehabilitation of handicapped patients] Lindemann K.  
*Deutsch Med Wschr* 89:1934-8, 9 Oct 64 (Ger)



## HAPTOGLOBINS

Change in serum haptoglobin type following human liver transplantation. Merrill DA, et al.  
*Proc Soc Exp Biol Med* 116:748-51, Jul 64

## HARTNUP DISEASE

Acute cerebellar ataxia associated with some features of the Hartnup Syndrome. Presentation of a case. Fois A, et al. *Helv Paediat Acta* 19:42-9, Jun 64

## HAY FEVER

Specific binding of an I-131-labeled ragweed pollen fraction by sera of untreated ragweed-sensitive humans. Lidd D, et al. *J Allerg* 35:289-305, Jul-Aug 64  
Hay fever treated by repository injections. Frankland AW, et al. *Practitioner* 193:71, Jul 64

## HEAD

Angiography in head and neck surgery. Conley JJ, et al. *Arch Surg (Chicago)* 89:609-18, Oct 64  
Cancer of the head and neck in children. Sutow WW. *JAMA* 190:414-6, 2 Nov 64

## HEAD INJURIES

Facial palsy following head injury. Potter JM. *J Laryng* 78:654-7, Jul 64  
Extracranial masses complicating the interpretation of echoencephalograms: a new technique for quantitative evaluation. Chadduck WM, et al. *J Neurosurg* 21:699-703, Aug 64  
Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery. Gerlach J, et al. *J Neurosurg* 20:885-7, Oct 63  
Post-traumatic carotid thrombosis: report of a case with intensive angiographic study of the collateral circulation. Higazi I. *J Neurosurg* 20:354-9, Apr 63  
Angiographic images of false aneurysmal sac caused by rupture of median meningeal artery in the course of traumatic extradural hematomata: report of 3 cases. Pallas JE, et al. *J Neurosurg* 21:667-71, Aug 64  
Artificial ventilation of the lungs in combined head and chest injuries. Robinson JS, et al. *Lancet* 2:912, 24 Oct 64  
Head injuries in a peripheral hospital. Eaton DH. *Lancet* 2:907-8, 24 Oct 64  
Production of clinical forms of head injury in the dog. Bouzarth WF, et al. *Surg Forum* 15:421-3, 1964  
[Pathological-anatomical findings in the cervical spine region of patients with skull injuries with fatal outcome] Leichenring F. *Deutsch Med Wschr* 89:1469-75, 31 Jul 64 (Ger)

## HEADACHE

Headaches and migraine associated with eyestrain. Preliminary report of a trial of chlorthalidopexide. Orbell G. *Brit J Ophthal* 47:246-7, Apr 63  
Pain following E.C.T. modified by muscle relaxants. Devine R, et al. *Brit Med J* 5416:1046-8, 24 Oct 64  
Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI. *JAMA* 190:456-62, 2 Nov 64  
Reflection on the problem of headache. Friedman AP. *JAMA* 190:445-7, 2 Nov 64

## HEALTH EDUCATION

Public persuasion in health matters with particular reference to smoking. *Proc Roy Soc Med* 57:449-58, Jun 64  
Nutrition education: a challenge. Louw LJ. *S Afr Med J* 38:679-80, 22 Aug 64  
Visual aids in a health education campaign against malnutrition. Jacobson Z. *S Afr Med J* 38:681-2, 22 Aug 64

## HEALTH PROFESSIONS

Practice expenses. *Brit Med J* 5413:879-80, 3 Oct 64  
Practice expenses. *Brit Med J* 5414:945-8, 10 Oct 64  
Practice expenses. *Brit Med J* 5414:946-8, 10 Oct 64  
Future health manpower needs in Latin America. Cavanaugh JA. *Public Health Rep* 79:911-6, Oct 64

## HEALTH SURVEYS

Health survey of pest control operators. Stein WJ, et al. *Industr Med Surg* 33:549-55, Aug 64  
Heights and weights of white nursery-school children in Pretoria. Prinsloo JG. *S Afr Med J* 38:601-6, 15 Aug 64  
Virological and serological observations made during the development and control of an outbreak of poliomyelitis in Surinam. Metselaar D, et al. *Trop Geogr Med* 16:129-34, Jun 64  
Arthropod-borne encephalitis viruses in northeastern South America. I. A serological survey of northeastern Surinam. Jonkers AH, et al. *Trop Geogr Med* 16:135-45, Jun 64  
Poliomyelitis in Surinam. Report on a type-1 outbreak

in 1963 and its control by trivalent oral polio virus vaccine. Wilterdink JB, et al.  
*Trop Geogr Med* 16:120-8, Jun 64  
[Medical conditions in Amazonas] Hébard L. *Presse Med* 72:2557-60, 17 Oct 64 (Fr)

## HEARING

Click-evoked potential map from the superior olivary nucleus. Biedenbach MA, et al. *Amer J Physiol* 206:1408-14, Jun 64  
Some aspects of the cortical auditory recovery function in the cat. Borsanyi SJ. *Ann Otol* 73:312-26, Jun 64  
Electrical stimulation of eight cranial nerve. Doyle JH, et al. *Arch Otolaryng (Chicago)* 80:388-91, Oct 64  
Fundamental aspects in modern treatment of the deaf child. Huizing HC. *J Laryng* 78:669-74, Jul 64

## HEARING AIDS

An investigation of binaural hearing aids. Fisher B. *J Laryng* 78:658-68, Jul 64

## HEARING DISORDERS

Kanamycin ototoxicity in healthy men. Sataloff J, et al. *Arch Otolaryng (Chicago)* 80:413-7, Oct 64  
The neurological deficit after extradural haematoma. Troupp H, et al. *Lancet* 2:891-2, 24 Oct 64  
Hearing loss in infants of tuberculous mothers treated with streptomycin during pregnancy. Robinson GC, et al. *New Eng J Med* 271:949-51, 29 Oct 64  
Hearing conservation programs and controversies. Harrington DA. *Southern Med J* 57:1314-6, Nov 64

## HEARING TESTS

The FIT test. Monaural threshold finding through binaural fusion. Bergman M. *Arch Otolaryng (Chicago)* 80:440-9, Oct 64  
Hearing conservation programs and controversies. Harrington DA. *Southern Med J* 57:1314-6, Nov 64

## HEART

Effects of several cardiovascular drugs on various phases of circulatory dynamics. Aldinger EE. *Amer Heart J* 68:55-65, Jul 64  
Return of neural responses after autotransplantation of the heart. Willman VL, et al. *Amer J Physiol* 207:187-9, Jul 64  
Amyloid. II. Starch gel electrophoretic analysis of some proteins extracted from amyloid. Benditt EP, et al. *Arch Path (Chicago)* 78:325-30, Oct 64  
Organ specificity of the heart. 3. Circulating antibodies and immunopathological lesions in experimental animals. Davies AM, et al. *Arch Path (Chicago)* 78:369-76, Oct 64  
A technique for heart transplantation in the rat. Abbott CP, et al. *Arch Surg (Chicago)* 89:645-52, Oct 64  
Systemic embolism in mitral stenosis: relation to the size of the left atrial appendix. Somerville W, et al. *Brit Med J* 5418:1167-9, 7 Nov 64  
Non-surgical retrieval of a broken segment of steel spring guide from the right atrium and inferior vena cava. Thomas J, et al. *Circulation* 30:106-8, Jul 64  
Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. Feruglio FS, et al. *Clin Sci* 28:493-8, Jun 64  
Effect of drug infusion on the systemic and splanchnic circulation. I. Bradykinin infusion in normal subjects. Feruglio FS, et al. *Clin Sci* 28:487-91, Jun 64  
Force-velocity relations in the intact dog heart. Levine HJ, et al. *J Clin Invest* 43:1383-96, Jul 64  
Some cardiovascular actions of benzquinamide. Scriabine A, et al. *J Pharmacol Exp Ther* 144:131-7, Apr 64  
The positive inotropic activity of tetraethylammonium ions and their effect on radiocalcium movement. Nayler WG, et al. *J Pharmacol Exp Ther* 144:116-23, Apr 64  
Hemodynamic effects of tyramine. Harakal C, et al. *J Pharmacol Exp Ther* 144:89-96, Apr 64  
Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64  
Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog. Miller AJ, et al. *Proc Soc Exp Biol Med* 116:392-4, Jun 64  
A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al. *Proc Soc Exp Biol Med* 116:331-3, Jun 64  
Total bypass of the superior vena cava into both lungs. Haller JA Jr, et al. *Surg Forum* 15:264-5, 1964  
Non-suture thrombus resistant vascular anastomosis rings for organ transplantation. Whiffen JD, et al. *Surg Forum* 15:218-9, 1964  
Permanently implanted, plastic, auxiliary left ventricle. Nosé Y, et al. *Surg Forum* 15:269-71, 1964  
Cardiac dynamics and contractility after acetyl strophanthidin in the closed chest dog. Daggett WM, et al. *Surg Forum* 15:251-3, 1964

Histologic and electrocardiographic changes of the transplanted rat heart. Abbott CP, et al. *Surg Forum* 15:253-5, 1964  
Protective effect of adenosine triphosphate in experimental hemorrhagic shock. Sharma GP, et al. *Surg Forum* 15:27-9, 1964  
[Studies on liver circulation during hemorrhagic shock; the relation between liver circulation and cardiac output and oxygen consumption in the internal organs] Yoshida T. *Jap Circ J* 28:704-11, Sep 64 (Jap)

## HEART ANEURYSM

Aneurysm of interventricular septum with subaortic stenosis. Yarom R, et al. *J Path Bact* 88:93-5, Jul 64

## HEART ARREST

On sudden death. Pruitt RD. *Amer Heart J* 68:111-8, Jul 64  
Cardiac and peripheral failure in hemorrhagic shock in the dog. Rothe CF, et al. *Amer J Physiol* 207:203-14, Jul 64  
Automatic external cardiac massage: a portable pneumatic external cardiac compression machine. Bailey RA, et al. *Brit Heart J* 26:481-9, Jul 64  
Of 153 attempted-cardiopulmonary resuscitations by trained ambulance personnel-no fatal injuries were produced. Wilder RJ, et al. *JAMA* 190:531-4, 9 Nov 64  
Closed-chest cardiac massage. *Lancet* 2:739, 3 Oct 64  
Prolonged circulatory arrest with preferential cerebral hypothermia and resuscitation by external cardiac massage. Wolfson SK Jr, et al. *Surg Forum* 15:415-7, 1964

## HEART ARREST, INDUCED

Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. Huggins CE, et al. *Dis Chest* 46:42-5, Jul 64

## HEART AUSCULTATION

The haemodynamic implications of the bisferiens pulse. Ikram H, et al. *Brit Heart J* 26:452-9, Jul 64

## HEART BLOCK

The effect of steroid therapy on normal and abnormal atrio-ventricular conduction. Dall JL. *Brit Heart J* 26:537-43, Jul 64  
Daily running causing Wenckebach heart-block. Cullen KJ, et al. *Lancet* 2:729-30, 3 Oct 64  
Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. Taylor RR, et al. *New Eng J Med* 271:877-82, 22 Oct 64  
Induction of A-V dissociation without apparent injury to conductive tissue. Kaiser GC, et al. *Surg Forum* 15:244-5, 1964  
[Delivery in a patient with artificial pacemaker in the heart] Büchner C, et al. *Deutsch Med Wschr* 89:1932-3, 9 Oct 64 (Ger)

## HEART CATHETERIZATION

A new contrast medium: sodium iothalamate. A clinical evaluation in 135 cases. Mudd JG, et al. *Angiology* 15:350-2, Aug 64  
Combined percutaneous retrograde aortic and transeptal left heart catheterization. Peckham GB, et al. *Brit Heart J* 26:460-8, Jul 64  
Relief of high left-atrial pressure in left-ventricular failure. Case RB, et al. *Lancet* 2:841-2, 17 Oct 64  
Transventricular approach. Hugenholtz PG. *New Eng J Med* 271:798-9, 8 Oct 64

## HEART CONDUCTION SYSTEM

Effects of ouabain on tissue calcium and calcium exchange in pacemaker of turtle heart. Govier WC, et al. *Amer J Physiol* 207:195-8, Jul 64  
Effect of hypothermia on excitation and propagation in the isolated atrium. Torres JC, et al. *Amer J Physiol* 207:199-202, Jul 64  
The effect of steroid therapy on normal and abnormal atrio-ventricular conduction. Dall JL. *Brit Heart J* 26:537-43, Jul 64  
A complex manifestation of concealed A-V conduction in the dog heart. Moe GK, et al. *Circ Res* 15:51-63, Jul 64  
Induction of A-V dissociation without apparent injury to conductive tissue. Kaiser GC, et al. *Surg Forum* 15:244-5, 1964

## HEART DEFECTS, CONGENITAL

Changes in bone associated with cyanotic congenital cardiac disease. Nice CM Jr, et al. *Amer Heart J* 68:25-31, Jul 64  
Association of diabetes mellitus and Friedreich's ataxia. A study of two siblings. Podolsky S, et al. *Arch Intern Med (Chicago)* 114:533-7, Oct 64



Finger-print patterns in congenital heart disease. Sánchez Cascos A. *Brit Heart J* 26:524-7, Jul 64

The QRS vectorcardiogram in congenital heart disease during the first year of life. A new diagnostic vectorcardiographic technique. Calleja HB, et al. *Dis Chest* 46:198-204, Aug 64

The effect of total body perfusion on digitalis tolerance. Tassopoulos NM, et al. *Dis Chest* 46:130-7, Aug 64

Uncomplicated total anomalous pulmonary venous return below the diaphragm. Report of a case. Falsetti HL, et al. *Dis Chest* 46:102-6, Jul 64

Congenital isolated mitral insufficiency. Report of two cases. Antlitz AM, et al. *Dis Chest* 46:229-34, Aug 64

Lung function in congenital heart disease. Linde LM, et al. *Dis Chest* 46:46-50, Jul 64

The racial incidence of the less common forms of heart disease at Groote Schuur Hospital, Cape Town, 1952-61. Schrire V. *S Afr Med J* 38:598-601, 15 Aug 64

Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Bernhard WF, et al. *Surg Forum* 15:197-8, 1964

Diagnostic cineangiocardiology. Rowe GG, et al. *Vasc Dis* 1:45-53, Jan 64

HEART DISEASES

The second heart sound in biventricular failure due to African cardiomyopathy. Reid JV. *Amer Heart J* 68:38-40, Jul 64

Isoproterenol-induced myocardial necrosis. A histochemical and electron microscopic study. Ferrans VJ, et al. *Amer Heart J* 68:71-90, Jul 64

The role of cinefluorography in clinical cardiology: present and future. McIntosh HD, et al. *Amer Heart J* 68:12-8, Jul 64

On sudden death. Pruitt RD. *Amer Heart J* 68:111-8, Jul 64

The mortality rate from heart disease. Campbell M. *Amer Heart J* 68:1-2, Jul 64

Anemia and heart disease. Kilpatrick GS, et al. *Amer Heart J* 68:138-9, Jul 64

Isolated pulmonary valvular regurgitation complicated by thyrotoxicosis. Marshall RJ, et al. *Brit Heart J* 26:572-6, Jul 64

Embolie complications of cardiomyopathy. Cosnett JE, et al. *Brit Heart J* 26:544-8, Jul 64

A clinical study of ethchlorvynol in cardiac patients. Blinder S. *Curr Ther Res* 6:373-6, May 64

The neurogenic metabolic factor in ischemic heart disease. Raab W. *Dis Chest* 46:150-7, Aug 64

Rupture of the heart following myocardial infarction. Fagin ID. *J Amer Geriatr Soc* 12:701-6, Jul 64

Joseph Skoda (1805-1881)-Physical diagnostician. *JAMA* 190:240, 19 Sep 64

Myocardial toxoplasmosis. Ward R, et al. *Lancet* 2:723-5, 3 Oct 64

Case records of the Massachusetts General Hospital. Case 53-1964. *New Eng J Med* 271:953-9, 29 Oct 64

Radiology of hypertrophic obstructive cardiomyopathy. Steiner RE. *Proc Roy Soc Med* 57:444-5, Jun 64

Obstructive cardiomyopathy: pathology. Teare RD. *Proc Roy Soc Med* 57:445-6, Jun 64

Obstructive cardiomyopathy: clinical features. Goodwin JF. *Proc Roy Soc Med* 57:443-4, Jun 64

The surgical management of obstructive cardiomyopathy. Cleland WP. *Proc Roy Soc Med* 57:446-8, Jun 64

The use of coronary angiography in clinical investigation. Werko L, et al. *Proc Roy Soc Med* 57:664-7, Aug 64

Taurine excretion following drug-induced muscle necrosis and x-irradiation. Goyer RA, et al. *Proc Soc Exp Biol Med* 116:534-6, Jun 64

HEART ENLARGEMENT

The relative amounts of DNA and concentrations of RNA in heart muscle of normal and hypertrophied hearts. Capers TH. *Amer Heart J* 68:102-6, Jul 64

The stimulus to hypertrophy of the myocardium. Badeer HS. *Circulation* 30:128-36, Jul 64

The S1, S2, S3 syndrome in chronic pulmonary disease. Pryor R. *Dis Chest* 46:226, Aug 64

Hypertensive heart disease. Fleming PR. *Practitioner* 193:27-34, Jul 64

Radiology of hypertrophic obstructive cardiomyopathy. Steiner RE. *Proc Roy Soc Med* 57:444-5, Jun 64

HEART FAILURE, CONGESTIVE

The cardiovascular manifestations of systemic lupus erythematosus. Hejtmancik MR, et al. *Amer Heart J* 68:119-30, Jul 64

Eosinophilic pleural effusion: a review with the presentation of seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Eosinophilic pleural effusion: a review with the presentation of seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Embolie complications of cardiomyopathy. Cosnett JE, et al. *Brit Heart J* 26:544-8, Jul 64

A new effective diuretic-Lasix. Stokes W. *Brit Med J* 5414:910-4, 10 Oct 64

Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies. Friedberg CK, et al. *Circ Res* 15:1-10, Jul 64

Hemodynamic events during the development of cyanosis and heart failure in a patient with large ventricular septal defect. Bliss HA, et al. *Circulation* 30:101-5, Jul 64

Aneurysm of interventricular septum with subaortic stenosis. Yarom R, et al. *J Path Bact* 88:93-5, Jul 64

Relief of high left-atrial pressure in left-ventricular failure. Case RB, et al. *Lancet* 2:841-2, 17 Oct 64

Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. Taylor RR, et al. *New Eng J Med* 271:877-82, 22 Oct 64

The racial incidence of the less common forms of heart disease at Groote Schuur Hospital, Cape Town, 1952-61. Schrire V. *S Afr Med J* 38:598-601, 15 Aug 64

Efficacy of left heart bypass in the treatment of acute heart failure. Chapple JC, et al. *Surg Forum* 15:262-3, 1964

[Cardiological emergencies in childhood] Heintzen P. *Deutsch Med Wschr* 89:1477-82, 31 Jul 64 (Ger)

[Acute heart infarct and pulmonary stasis. A clinical-roentgenological study] Aschenbrenner R, et al. *Deutsch Med Wschr* 89:1777-81, 18 Sep 64 (Ger)

HEART FUNCTION TESTS

Areas under thermal-dilution curves, assuming log-normal distribution. Lewi P. *Amer J Physiol* 207:144-8, Jul 64

A theory for the quantification of transcapillary exchange by tracer-dilution curves. Martin P, et al. *Amer J Physiol* 207:162-8, Jul 64

Hemodynamics of the Master two-step test in hypertension and healed myocardial infarction. Makous N, et al. *Circulation* 30:77-85, Jul 64

Automatic changes during paroxysmal EEG activity. Johnson LC, et al. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64

Electroencephalographic and circulatory responses to megimide in normal subjects. Seldén U, et al. *Electroenceph Clin Neurophysiol* 17:11-6, Jul 64

Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. Larsson Y, et al. *J Appl Physiol* 19:629-35, Jul 64

Base-line effects on response of stroke volume to leg exercise in the supine position. Frick MH, et al. *J Appl Physiol* 19:639-43, Jul 64

Rapid method for determination of cardiac output by indicator dilution techniques. Boyett JD, et al. *J Lab Clin Med* 64:160-7, Jul 64

Cardiorespiratory response of very obese subjects to treadmill exercise. Turell DJ, et al. *J Lab Clin Med* 64:107-16, Jul 64

Monitored and post-exercise two-step test. Master AM, et al. *JAMA* 190:494-500, 9 Nov 64

Hemodynamic effects of pitressin infusion during gastroesophageal hemorrhage. Coomaraswamy RP, et al. *Surg Forum* 15:116-8, 1964

Changes in intracardiac pressures with overtransfusion of normal dogs. Yu SC, et al. *Surg Forum* 15:283-5, 1964

[Discs for the calculation of 2 indices of robustness and a cardiac functional index] Perolini C. *Presse Med* 72:2199-200, 19 Sep 64 (Fr)

HEART INJURIES

Penetrating wounds of the heart. Experience with 249 patients. Naclerio EA. *Dis Chest* 46:1-22, Jul 64

HEART MASSAGE

Automatic external cardiac massage: a portable pneumatic external cardiac compression machine. Bailey RA, et al. *Brit Heart J* 26:481-9, Jul 64

Of 153 attempted-cardiopulmonary resuscitations by trained ambulance personnel-no fatal injuries were produced. Wilder RJ, et al. *JAMA* 190:531-4, 9 Nov 64

Closed-chest cardiac massage. *Lancet* 2:739, 3 Oct 64

Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. Mouloupoulos S, et al. *New Eng J Med* 271:895-7, 22 Oct 64

Prolonged circulatory arrest with preferential cerebral hypothermia and resuscitation by external cardiac massage. Wolfson SK Jr, et al. *Surg Forum* 15:415-7, 1964

HEART, MECHANICAL

Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. Williams KR, et al. *Arch Surg (Chicago)* 89:863-5, Oct 64

Tolerance of dogs to deep hypothermia. Controlled and maintained with a pump oxygenator. Lesage MA, et al. *Arch Surg (Chicago)* 89:677-84, Oct 64

Tetralogy of Fallot with aortic origin of the left pulmonary artery: radiographic and angiocardiac considerations. Report of a case. Czarnecki SW, et al. *Dis Chest* 46:97-101, Jul 64

Body fluids and electrolytes after prolonged cardiopulmonary bypass. Brinsfield D, et al. *J Appl Physiol* 19:566-70, Jul 64

The use of extracorporeal circulation and profound hypothermia in the treatment of ruptured intracranial aneurysm. Drake CG, et al. *J Neurosurg* 21:575-81, Jul 64

The healing of right ventricular incisions. Williams AW, et al. *J Path Bact* 88:197-201, Jul 64

A low-efficiency disposable heat exchanger. Williams B, et al. *Lancet* 2:736-7, 3 Oct 64

Pulmonary injury from prolonged oxygenation with venous blood. Rossi NP, et al. *Surg Forum* 15:277-9, 1964

Experimental production of respiratory insufficiency. Butler EK, et al. *Surg Forum* 15:188-90, 1964

Alterations in plasma free fatty acids during extracorporeal circulation. Jacks ML, et al. *Surg Forum* 15:270-81, 1964

HEART NEOPLASMS

Hemangioendothelioma of the heart. Robinson DS, et al. *JAMA* 189:1026-8, 28 Sep 64

Case records of the Massachusetts General Hospital. Case 50-1964. *New Eng J Med* 271:787-94, 8 Oct 64

HEART SEPTAL DEFECTS

Finger-print patterns in congenital heart disease. Sánchez Cascos A. *Brit Heart J* 26:524-7, Jul 64

Gradual closure of aortopulmonary septal defects. Reis RL, et al. *Surg Forum* 15:266-7, 1964

HEART SEPTAL DEFECTS, ATRIAL

Angiocardiac measurements in congenital heart disease in infancy and childhood. II. Size of left atrium. Arvidsson H. *Acta Radiol [Diagn] (Stockholm)* 2:353-64, Jul 64

Paradoxical embolism. Corrin B. *Brit Heart J* 26:549-53, Jul 64

Diagnostic cineangiocardiology. Rowe GG, et al. *Vasc Dis* 1:45-53, Jan 64

HEART SEPTAL DEFECTS, VENTRICULAR

Angiocardiac measurements in congenital heart disease in infancy and childhood. II. Size of left atrium. Arvidsson H. *Acta Radiol [Diagn] (Stockholm)* 2:353-64, Jul 64

Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. Popper RW, et al. *Amer Heart J* 68:32-7, Jul 64

Congenital mitral insufficiency associated with a ventricular septal defect. Gilbert G, et al. *Amer Heart J* 68:107-10, Jul 64

Hemodynamic events during the development of cyanosis and heart failure in a patient with large ventricular septal defect. Bliss HA, et al. *Circulation* 30:101-5, Jul 64

Aneurysm of interventricular septum with subaortic stenosis. Yarom R, et al. *J Path Bact* 88:93-5, Jul 64

Congenital anomalies associated with idiopathic mental retardation. Smith DW, et al. *J Pediat* 65:189-96, Aug 64

Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Bernhard WF, et al. *Surg Forum* 15:197-8, 1964

Diagnostic cineangiocardiology. Rowe GG, et al. *Vasc Dis* 1:45-53, Jan 64

HEART SURGERY

Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. Popper RW, et al. *Amer Heart J* 68:32-7, Jul 64

Surgical aspects of heart disease in infants under the age of two years. Gerbode F, et al. *Amer J Surg* 108:224-32, Aug 64

Mitral stenosis and mitral commissurotomy. Pre- and postoperative observations. Paloheimo J, et al. *Ann Chir Gynaec Fenn* 53:289-304, 1964

Bacterial infections in the heart. An experimental study on the influence of silk and synthetic sutures. Niguidula FN, et al. *Arch Surg (Chicago)* 89:669-76, Oct 64

Coarctation of the aorta. Diagnostic and surgical problems. Margileth AM, et al. *Arch Surg (Chicago)* 89:741-51, Oct 64

Cardiac hydatid disease including a report on the successful removal of a complicated hydatid cyst, occupying the full thickness of the left ventricular myocardium, utilizing cardio-pulmonary by-pass. McConchie I. *Aust New Zeal J Surg* 34:18-23, Aug 64

The surgical treatment of mitral regurgitation. Belcher JR. *Brit Heart J* 26:513-23, Jul 64

Mitral stenosis and systemic emboli. Lillcrap D, et al. *Brit Med J* 5418:1169-71, 7 Nov 64

Systemic embolism in mitral stenosis: relation to the



size of the left atrial appendix. Somerville W, et al. *Brit Med J* 5418:1167-9, 7 Nov 64

Embolism in mitral valve disease. *Brit Med J* 5418:1149-50, 7 Nov 64

Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies. Friedberg CK, et al. *Circ Res* 15:1-10, Jul 64

The clinical diagnosis and surgical management of ruptured mitral chordae tendineae. Menges H Jr, et al. *Circulation* 30:8-16, Jul 64

Tetralogy of Fallot with aortic origin of the left pulmonary artery: radiographic and angiocardigraphic considerations. Report of a case. Czarnecki SW, et al. *Dis Chest* 46:97-101, Jul 64

The effect of total body perfusion on digitalis tolerance. Tassopoulos NM, et al. *Dis Chest* 46:130-7, Aug 64

Penetrating wounds of the heart. Experience with 249 patients. Naclerio EA. *Dis Chest* 46:1-22, Jul 64

Uncomplicated total anomalous pulmonary venous return behind the diaphragm. Report of a case. Falsetti HL, et al. *Dis Chest* 46:102-6, Jul 64

Instrumental transatrial mitral valvotomy. Edwards FR. *Dis Chest* 46:223-5, Aug 64

The healing of right ventricular incisions. Williams AW, et al. *J Path Bact* 88:197-201, Jul 64

Anti-heart antibodies in the postpericardiotomy and the postmyocardial-infarction syndromes. Geld H van der. *Lancet* 2:617-21, 19 Sep 64

The surgical management of obstructive cardiomyopathy. Cleland WP. *Proc Roy Soc Med* 57:446-8, Jun 64

Cardiac hypothermia versus coronary perfusion during aortic occlusion. Austen WG. *Surg Forum* 15:206-8, 1964

Coronary artery perfusion. Winfrey EW 3d, et al. *Surg Forum* 15:271-2, 1964

Quantitative assay of the fibrinolytic system in open heart surgery. Kevy SV, et al. *Surg Forum* 15:282-3, 1964

## HEART VALVE PROSTHESIS

Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. Williams KR, et al. *Arch Surg (Chicago)* 89:663-5, Oct 64

Mitral ball-valve prosthesis. Dynamic and clinical evaluation. Kezdi P, et al. *Circulation* 30:55-66, Jul 64

The evolution of a mitral-valve prosthesis. Melrose DG, et al. *Lancet* 2:623-4, 19 Sep 64

Isolated annulus: a method for the evaluation of intracardiac prosthetic thrombosis. Tarnay TJ, et al. *Surg Forum* 15:268-9, 1964

Evaluation of prosthetic heart valves in the calf. Hessel EA 2d, et al. *Surg Forum* 15:257-9, 1964

Relationship of ventricular pressure, aortic pressure and flow, and their alteration by the Starr aortic valve. Brockman SK, et al. *Surg Forum* 15:255-7, 1964

Direct determinations of aortic regurgitant flow in man. Brawley RK, et al. *Surg Forum* 15:259-61, 1964

## HEAT

Bodily reactions to high temperature. Wakim KG. *Anesthesiology* 25:532-48, Jul-Aug 64

Cystine-independent thermoresistant mutants of poliovirus. Youngner JS, et al. *J Bact* 88:265-6, Jul 64

The properties of catgut sutures sterilized by heat, ethylene oxide and electron beams. Thoennes LA. *J Int Coll Surg* 42:382-6, Oct 64

Nomenclature and classification of the disorders due to heat. *Lancet* 2:637-9, 19 Sep 64

## HEAT EXHAUSTION

Nomenclature and classification of the disorders due to heat. *Lancet* 2:637-9, 19 Sep 64

## HEMAGGLUTINATION

Specific binding of an I-131-labeled ragweed pollen fraction by sera of untreated ragweed-sensitive humans. Lidd D, et al. *J Allerg* 35:289-305, Jul-Aug 64

Some aspects of the immunology of leucocytes. Berah M. *Med J Aust* 2:292-6, 22 Aug 64

The use of formalin-preserved human erythrocytes in the toxoplasm haemagglutination test. Smit GL. *Trop Geogr Med* 16:152-8, Jun 64

## HEMANGIOENDOTHELIOMA

Orbital benign haemangio-endothelioma. Mortada A. *Brit J Ophthalmol* 47:164-8, Mar 63

Choroidal haemangio-endothelioma. Lister A, et al. *Brit J Ophthalmol* 47:215-21, Apr 63

## HEMANGIOMA

Tumors of the small bowel. Schmutzner KJ, et al. *Amer J Surg* 108:270-8, Aug 64

Spinal cord compression due to vertebral angiomas during pregnancy. Nelson DA. *Arch Neurol (Chicago)* 11:408-13, Oct 64

Giant haemangioma with thrombocytopenia. Duncan W, et al. *Clin Radiol* 15:224-31, Jul 64

Vertebral hemangioma with compression of the spinal cord. Reeves DL. *J Neurosurg* 21:710-2, Aug 64

The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64

## HEMANGIOMA, CAVERNOUS

Cavernous hemangioma of the base of the skull; report of a case treated surgically. Pásztor E, et al. *J Neurosurg* 21:582-5, Jul 64

## HEMANGIOPERICYTOMA

The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64

## HEMATEMESIS

Natural history and prognosis of splenomegaly in schistosomiasis mansoni. Kloetzel K. *Amer J Trop Med* 13:541-4, Jul 64

Local hypothermia for hematemesis in a hemophiliac. Liffmann KE, et al. *JAMA* 190:553-4, 9 Nov 64

## HEMATOCRIT

Venous oxygenation and circulatory responses to oxygen inhalation in acute anemia. Murray JF. *Amer J Physiol* 207:228-34, Jul 64

Normal blood volumes in the horse. Marclease NA, et al. *Amer J Physiol* 207:223-7, Jul 64

Arterial hematocrit and separation of cells and plasma in the dog kidney. Chinard FP, et al. *Amer J Physiol* 207:128-32, Jul 64

Rheologic approach to thrombosis and atherosclerosis. Dintenfass L. *Angiology* 15:333-43, Aug 64

Changes in red cell mass after pelvic fracture. Zeldman H, et al. *Arch Surg (Chicago)* 89:596-601, Oct 64

Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. Huggins CE, et al. *Dis Chest* 46:42-5, Jul 64

Cerebral hematocrit in normal man. Larsen OA, et al. *J Appl Physiol* 19:571-4, Jul 64

Effect of castration in man upon blood sedimentation rate, hematocrit and hemoglobin. Hamilton JB, et al. *J Clin Endocr* 24:506-11, Jun 64

The quantities of sodium diatrizoate in cerebral vessels during arteriography. Kutt H, et al. *J Neurosurg* 20:515-9, Jun 63

Neonatal respiratory distress associated with a high hematocrit reading. Gledion A. *Lancet* 2:913, 24 Oct 64

Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964

Correlation of edema formation, hemoconcentration, and mortality in experimental burns treated with hypothermia. Manson AD, et al. *Surg Forum* 15:469-71, 1964

## HEMATO-ENCEPHALIC BARRIER

Spinal fluid iodide transport in the dog. Coben LA, et al. *Amer J Physiol* 206:1373-8, Jun 64

Cerebral deposition of drugs at low temperatures. Baldwin M, et al. *J Neurosurg* 20:637-46, Aug 63

## HEMATOLOGIC DISEASES

Thrombocytosis associated with malignant disease. Levin J, et al. *Arch Intern Med (Chicago)* 114:497-500, Oct 64

Lower animals, spontaneous disease, and man. Leader RW. *Arch Path (Chicago)* 78:390-404, Oct 64

Idiopathic dyserythropoietic jaundice. Berendsohn S, et al. *Blood* 24:1-18, Jul 64

[Diseases with autoantibodies. Clinical and experimental data] Mikol C, et al. *Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)

## HEMATOLOGY

The training of the physician. Research in the teaching-learning process—two experimental modules. Ham TH. *New Eng J Med* 271:1042-8, 12 Nov 64

## HEMATOMA

The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64

Is arterial puncture dangerous? *Brit Med J* 5416:1072, 24 Oct 64

Spontaneous resolution of an intraventricular hematoma. Report of a case with recovery. Ojemann RG, et al. *J Neurosurg* 20:899-902, Oct 63

## HEMATOMA, EPIDURAL

Extracranial masses complicating the interpretation of echoencephalograms: a new technique for quantitative evaluation. Chaddock WM, et al. *J Neurosurg* 21:699-703, Aug 64

Spontaneous spinal epidural hematoma coincident with whooping cough. Case report. Jackson FE. *J Neurosurg* 20:715-7, Aug 63

Epidural hematoma as complication of ventricular drainage. Report of a case and review of literature. Higazi I. *J Neurosurg* 20:527-8, Jun 63

Angiographic images of false aneurysmal sac caused by rupture of median meningeal artery in the course of traumatic extradural hematoma: report of 3 cases. Pailas JE, et al. *J Neurosurg* 21:667-71, Aug 64

Mechanisms of extradural hematomas. Ford LE, et al. *J Neurosurg* 20:760-9, Sep 63

The neurological deficit after extradural haematoma. Troupp H, et al. *Lancet* 2:991-2, 24 Oct 64

## HEMATOMA, SUBDURAL

Extracranial masses complicating the interpretation of echoencephalograms: a new technique for quantitative evaluation. Chaddock WM, et al. *J Neurosurg* 21:699-703, Aug 64

Chronic subdural hematoma presenting a parkinsonian syndrome. Samly E. *J Neurosurg* 20:903, Oct 63

Paraparesis with incontinence of bowel and bladder. A syndrome of bilateral subdural hematomas. Bortnick RJ, et al. *J Neurosurg* 20:352-3, Apr 63

Bilateral subdural empyema. Report of a case with arteriograms. Genest AS, et al. *J Neurosurg* 20:524-6, Jun 63

A study of some factors modifying response of cerebral tissue to subdural hematomata. Aronson SM, et al. *J Neurosurg* 20:89-93, Feb 63

Radiolodotopic localization in subdural hematomas. An experimental study with arsenic-74 and radiolodinated human serum albumin in dogs. Mealey J Jr. *J Neurosurg* 20:770-6, Sep 63

Production of clinical forms of head injury in the dog. Bouzarth WF, et al. *Surg Forum* 15:421-3, 1964

## HEMATOPOIETIC SYSTEM

The role of radiotherapy in the treatment of tumours in children. Pearson D. *J Clin Path* 17:423-6, Jul 64

Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. Romsdahl MM, et al. *Surg Forum* 15:346-8, 1964

## HEMATURIA

Anticoagulants: another view. Verel D. *Brit Med J* 5417:1135, 31 Oct 64

Gross hematuria as a presenting manifestation of Reiter's syndrome in a woman. Crocco JA, et al. *J Urol* 92:45-6, Jul 64

## HEME

Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. Jacobs NJ, et al. *J Bact* 87:1406-11, Jun 64

## HEMIPLEGIA

Resection of the obturator nerve in the treatment of adductor spasticity in cerebral palsy. Hagberg B, et al. *Acta Orthop Scand* 34:258-70, 1964

Acute hemiplegia in childhood. Gordon GC. *Brit Med J* 5415:1009, 17 Oct 64

Restoration of communication in the elderly, with special reference to hemiplegic patients: interim report on program. DeBrisay AN, et al. *J Amer Geriatr Soc* 12:687-93, Jul 64

Carotid arteritis: a cause of hemiplegia in childhood. Shillito J Jr. *J Neurosurg* 21:540-51, Jul 64

Static atherosclerotic occlusive lesion: a five-year "watch" on a carotid stenosis: report of a case. Lindner DW, et al. *J Neurosurg* 20:158-60, Feb 63

Orthopedic reconstructive procedures in the lower extremity in adults with acquired spastic paralysis. Haslam ET, et al. *Southern Med J* 57:1322-5, Nov 64

## HEMOGLOBIN

Effects of hypoxia on iron absorption and mobilization in the rat. Strohmeier GW, et al. *Amer J Physiol* 207:55-61, Jul 64

Rates of reaction of hemoglobin H with ligands. Benesch R, et al. *J Biol Chem* 239:1668-9, May 64

The characterization of modified human hemoglobin. I. Reaction with iodoacetamide and N-ethylmaleimide. Guidotti G, et al. *J Biol Chem* 239:1474-84, May 64

Effect of castration in man upon blood sedimentation rate, hematocrit and hemoglobin. Hamilton JB, et al. *J Clin Endocr* 24:506-11, Jun 64

Tolerance to chronic hemolysis. Castaneda AR, et al. *Surg Forum* 15:84-6, 1964



HEMOGLOBINOMETRY

Venous oxygenation and circulatory responses to oxygen inhalation in acute anemia. Murray JF. *Amer J Physiol* 207:228-34, Jul 64

Quantitation of some abnormal hemoglobins. Kelsey JR, et al. *Clin Chem* 10:424-8, May 64

A new system for rapid haemoglobin estimations and leucocyte counts. Davis RE, et al. *J Clin Path* 17:467-8, Jul 64

Changes of blood elements and the circulatory system in climbing. Sumiyoshi K, et al. *Jap Circ J* 28:669-75, Sep 64

A controlled-release iron tablet. Howard HI. *Practitioner* 193:83-5, Jul 64

HEMOGLOBINS, ABNORMAL

Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. Hutchison HE, et al. *Brit Med J* 5417:1099-103, 31 Oct 64

Hemoglobin J-Baltimore in a Kent family. Holman CA, et al. *Brit Med J* 5414:921-2, 10 Oct 64

Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. Hutchison HE, et al. *Brit Med J* 5417:1099-103, 31 Oct 64

Quantitation of some abnormal hemoglobins. Kelsey JR, et al. *Clin Chem* 10:424-8, May 64

Rates of reaction of hemoglobin H with ligands. Benesch R, et al. *J Biol Chem* 239:1668-9, May 64

Genetic control of hemoglobin A2 synthesis: an unusual hereditary pattern in a family with thalassemia trait. Lee GR, et al. *J Lab Clin Med* 64:72-8, Jul 64

Two unrelated patients with congenital cyanosis due to haemoglobinopathy M. Farmer MB, et al. *Lancet* 2:786-9, 10 Oct 64

HEMOGLOBINURIA, PAROXYSMAL

Hemoglobin J-Baltimore in a Kent family. Holman CA, et al. *Brit Med J* 5414:921-2, 10 Oct 64

Case records of the Massachusetts General Hospital: weekly clinicopathological exercises: Case 52-1964. *New Eng J Med* 271:898-905, 22 Oct 64

HEMOLYSINS

The effect on animal erythrocytes of combinations of diffusible substances produced by bacteria. Fraser G. *J Path Bact* 88:43-53, Jul 64

HEMOLYSIS

An electrophoretic study of human erythrocytes, incubated with corticosteroids and sulfhydryl reaction substances. Agarwal KN, et al. *Acta Endocr (Copenhagen)* 47:Suppl 93:53-8, 1964

Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al. *Acta Endocr (Copenhagen)* 47:Suppl 93:3-27, 1964

Lack of effect of corticosteroids on the in vivo disappearance of sulfhydryl-inhibited and antibody-coated erythrocytes. Agarwal KN. *Acta Endocr (Copenhagen)* 47:Suppl 93:28-36, 1964

Intravascular hemolysis following urea administration during hypothermia. Ravin MB, et al. *Anesthesiology* 25:576-80, Jul-Aug 64

Studies on the hemolytic nature of protein-deficiency anemia in the rat. Delmonte L, et al. *Blood* 24:49-68, Jul 64

Blood-gas transfer, hemolysis, and diffusing capacity in a bubble tonometer. Ravin MB, et al. *J Appl Physiol* 19:784-90, Jul 64

Incubation hemolysis and red cell metabolism in acanthocytosis. Simon ER, et al. *J Clin Invest* 43:1311-21, Jul 64

The role of serum in acanthocyte autohemolysis and membrane lipid composition. Ways P, et al. *J Clin Invest* 43:1322-8, Jul 64

Hemolytic complement in synovial fluid. Pekin TJ Jr, et al. *J Clin Invest* 43:1372-82, Jul 64

Effects of in vivo hyperoxia on erythrocytes. 1. Hemolysis in mice exposed to hyperbaric oxygenation. Mengel CE, et al. *Proc Soc Exp Biol Med* 116:259-61, Jun 64

Tolerance to chronic hemolysis. Castaneda AR, et al. *Surg Forum* 15:84-6, 1964

HEMOPHILIA

Intracranial haemorrhage in haemophilia. *Brit Med J* 541:1089-90700, 31 Oct 64

Emergency tracheostomy in hemophilia. Unfug HV. *JAMA* 190:551-2, 9 Nov 64

Local hypothermia for hematemesis in a hemophiliac. Liffmann KE, et al. *JAMA* 190:553-4, 9 Nov 64

Intensive plasma therapy in the hemophilias. Roberts HR, et al. *JAMA* 190:546-8, 9 Nov 64

Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. Albright JA, et al. *JAMA* 190:548-50, 9 Nov 64

Neuropathy in hemophilia. Silverstein A. *JAMA* 190:554-5, 9 Nov 64

Peanut flour in haemophilia. Mainwaring D, et al. *Lancet* 2:647, 19 Sep 64

HEMOPTYSIS

Hemoptysis in sarcoidosis. Report of a case. Reed R, et al. *Dis Chest* 46:241-4, Aug 64

HEMORRHAGE

Retropharyngeal hemorrhage from the carotid arteries. Weaver DF, et al. *Ann Otol* 73:541-54, Jun 64

The obscure case of bleeding per rectum. Lane D. *Aust New Zeal J Surg* 34:36-42, Aug 64

Experimental and clinical observations on the echograms in vitreous haemorrhages. Oksala A. *Brit J Ophthalm* 47:65-70, Feb 63

Subcapsular hemorrhage of the liver in the newborn. An inquiry into its causes. Charif P. *Clin Pediat (Phila)* 3:428-31, Jul 64

Penetrating wounds of the heart. Experience with 249 patients. Naclerio EA. *Dis Chest* 46:1-22, Jul 64

A placental lesion to account for foetal haemorrhage into the maternal circulation. Wentworth P. *J Obstet Gynaec Brit Comm* 71:379-87, Jun 64

Dengue fever: a thrombocytopenic disease? Nelson ER, et al. *JAMA* 190:99-103, 12 Oct 64

Electrocautery in percutaneous liver biopsy. Edlich RF, et al. *JAMA* 190:68-9, 5 Oct 64

In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. Nielsen NO, et al. *Proc Soc Exp Biol Med* 116:498-501, Jun 64

Protein bound iodine in the thyroid vein of man. Nora PF, et al. *Surg Forum* 15:79-80, 1964

Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. Schumer W, et al. *Surg Forum* 15:76-8, 1964

Effects of minimal blood volume changes on renal blood flow. King TC, et al. *Surg Forum* 15:494-6, 1964

Hypotension: determinant in spontaneous control of arterial hemorrhage. Chiu CJ, et al. *Surg Forum* 15:3-4, 1964

HEMORRHAGE, GASTROINTESTINAL

Surgical management of massive gastrointestinal hemorrhage from cardioesophageal lacerations. Grimes OF. *Amer J Surg* 108:285-96, Aug 64

Roentgen finding in gastro-intestinal bleeding after resection of the stomach. Helelä T, et al. *Ann Chir Gynaec Fenn* 53:364-7, 1964

Gastrointestinal complications of collagen diseases. Surgical implications. Couris GD, et al. *Arch Surg (Chicago)* 89:695-700, Oct 64

Experience with local gastric cooling. Cushman WF, et al. *Arch Surg (Chicago)* 89:719-24, Oct 64

The obscure case of bleeding per rectum. Lane D. *Aust New Zeal J Surg* 34:36-42, Aug 64

Mallory-Weiss syndrome and hypofibrinogenemia. Complication during surgery. Goodman JM. *JAMA* 190:72-3, 5 Oct 64

Aspirin and gastric secretion. *Lancet* 2:682-3, 20 Sep 64

Patterns and mechanisms of injury following anoxia of the normothermic and hypothermic dog stomach. Marx FW Jr, et al. *Surg Forum* 15:328-30, 1964

[Postoperative hemobilia] Flabeau F, et al. *Presse Med* 72:2381-4, 3 Oct 64 (Fr)

HEMORRHAGE, POSTPARTUM

Buccal oxytocin. *Brit Med J* 5417:1133-4, 31 Oct 64

HEMORRHAGIC DIATHESIS

Massive hemorrhage--scalps of newborn infants. Kozinn PJ, et al. *Amer J Dis Child* 108:413-7, Oct 64

HEMOSIDEROSIS

Idiopathic pulmonary hemosiderosis without anemia. Report of two cases. Ditto WR, et al. *Arch Intern Med (Chicago)* 114:490-3, Oct 64

Case records of the Massachusetts General Hospital: weekly clinicopathological exercises: Case 52-1964. *New Eng J Med* 271:898-905, 22 Oct 64

HEMOSTASIS

Mechanism of platelet plug formation and role of adenosine diphosphate. Spaet TH, et al. *Amer J Physiol* 206:1267-74, Jun 64

Neurosurgical classics--XXI. Wilkins RH, et al. *J Neurosurg* 21:713-23, Aug 64

Packing with muscle of internal carotid artery for aneurysm with immediate occlusion and subsequent establishment of flow. Simmons DR, et al. *J Neurosurg* 20:1000-4, Nov 63

Low in-vivo adhesive-platelet count in hereditary haemorrhagic telangiectasia. Muckle TJ. *Lancet* 2:880-2, 24 Oct 64

In vivo evaluation of clot lysis. Silver D, et al. *Surg Forum* 15:237-9, 1964

Arm tourniquet tolerance in unanesthetized adults. Bennett JE, et al. *Surg Forum* 15:463-5, 1964

HEMOSTATICS

Prevention of erythroblastosis fetalis. A preliminary study using carbazochrome salicylate. Massey GD. *Obstet Gynec* 23:712-5, May 64

HEPARIN

Lack of enhanced lysis of fibrinogen-I-131 by anticoagulants in tumor-bearing rats. Shaeffer JR. *Amer J Physiol* 206:1251-4, Jun 64

Clotting time of heparinized blood. Influence of acidosis. Hardaway RM, et al. *Arch Surg (Chicago)* 89:701-5, Oct 64

Histochemical demonstration of heparin precipitating lipids in atherosclerotic aortas. Mustakallio KK, et al. *J Atheroscler Res* 4:370-2, Jul-Aug 64

Biologic relationship of endotoxin and other toxic proteins. IV. Effect of heparin on endotoxin-induced hypersusceptibility to snake venoms. Condie RM, et al. *Proc Soc Exp Biol Med* 116:696-701, Jul 64

Lipolytic activity in the blood after lipase ingestion. Tidwell HC, et al. *Proc Soc Exp Biol Med* 116:720-3, Jul 64

Effect of various surface active agents on heparin binding and clot formation on graphite surfaces. Whiffen JD, et al. *Proc Soc Exp Biol Med* 116:314-7, Jun 64

Importance of liver in release and degradation of lipoprotein lipase. Condon RE, et al. *Surg Forum* 15:92-3, 1964

HEPARIN, THERAPEUTIC

Deficient absorption of buccally administered heparin. Hartmann G, et al. *Vasc Dis* 1:173-9, Jul 64

Vascular effects of heparin. Abramson DI, et al. *Vasc Dis* 1:180-5, Jul 64

HEPATECTOMY

The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. Margreth A, et al. *Cancer Res* 24:920-5, Jun 64

Metabolism of nucleolar ribonucleic acid after partial hepatectomy. Tsukada K, et al. *J Biol Chem* 239:1564-8, May 64

HEPATIC ARTERY

Hepatic anoxia and stimulation of hepatic nerves on renal hemodynamics and function. Hori M, et al. *Surg Forum* 15:108-9, 1964

[Postoperative hemobilia] Flabeau F, et al. *Presse Med* 72:2381-4, 3 Oct 64 (Fr)

HEPATIC COMA

Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. Smith RB 3d, et al. *Surg Forum* 15:98-9, 1964

HEPATIC DUCT

Intrahepatic diverticulum--common hepatic bile duct. Jackson FC, et al. *Arch Surg (Chicago)* 89:706-8, Oct 64

Choledochectasis-cholangiectasis of South-East Asia. Paul M. *Aust New Zeal J Surg* 34:50-3, Aug 64

HEPATITIS

[Quantitative changes in hematopoiesis in chronic hepatitis, fatty cirrhosis and atrophic liver cirrhosis] Tai HB. *Blut* 10:67-81, Mar 64 (Ger)

HEPATITIS, ANIMAL

Acute liver injury in ducklings as a result of aflatoxin poisoning. Butler WH. *J Path Bact* 88:189-96, Jul 64

S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64

HEPATITIS, HOMOLOGOUS SERUM

Selection of blood donors. Orrahood MD. *New Eng J Med* 271:799-800, 8 Oct 64

Post-transfusion anicteric hepatitis. Hampers CL, et al. *New Eng J Med* 271:749-54, 8 Oct 64

HEPATITIS, INFECTIOUS

Needle biopsy of the liver in infants and children. Porter M, et al. *J Pediat* 65:176-88, Aug 64



## HEPATITIS, TOXIC

CCL-4-induced liver damage. Current concepts regarding mechanisms of action. Plaa GL, et al. *Arch Environ Health (Chicago)* 9:536-43, Oct 64

Structural changes of liver cells in copper intoxication. Barka T, et al. *Arch Path (Chicago)* 78:331-49, Oct 64

Oral contraceptives and liver damage. Rice-Wray E. *Brit Med J* 5415:1011, 17 Oct 64

Liver function after long-term progestational treatment with and without oestrogen. Linthorst G. *Brit Med J* 5414:920-1, 10 Oct 64

Oral contraceptives and liver damage. Adlercreutz H. *Brit Med J* 5417:1133, 31 Oct 64

Bilirubin glucuronyl transferase activity in liver disease. Metge WR, et al. *J Lab Clin Med* 64:89-98, Jul 64

Acute liver injury in ducklings as a result of aflatoxin poisoning. Butler WH. *J Path Bact* 88:189-96, Jul 64

S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64

Studies on carbon tetrachloride intoxication. II. Depressed amino acid incorporation into mitochondrial protein and cytochrome c. Smuckler EA, et al. *Lab Invest* 13:531-8, Jun 64

Jaundice and 'Cardivix'. Cahal DA. *Lancet* 2:754, 3 Oct 64

Immunological sympathectomy and CCl-4 hepatotoxicity. Larson RE, et al. *Proc Soc Exp Biol Med* 116:557-60, Jul 64

Metabolism of rat pituitary gonadotrophin. Dasgupta PR, et al. *Proc Soc Exp Biol Med* 116:253-5, Jun 64

## HEPATOLENTICULAR DEGENERATION

Tissue copper proteins in Wilson's disease. Intracellular distribution and chromatographic fractionation. Porter H. *Arch Neurol (Chicago)* 11:341-9, Oct 64

Endogenous copper clearance in Wilson's disease: a study of the mode of action of penicillamine. Walshe JM. *Clin Sci* 26:461-9, Jun 64

## HEPATOMA

The interstitial fluid of solid tumors. Gullino PM, et al. *Cancer Res* 24:780-94, Jun 64

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64

Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. *Cancer Res* 24:570-81, May 64

Spontaneous rupture of the liver during pregnancy. A report of 2 cases. Yen SS. *Obstet Gynec* 23:783-7, May 64

## HERMAPHRODITISM

An unusual cause of renal colic in a pseudohermaphrodite. Zieliński J, et al. *Brit J Urol* 36:254-6, Jun 64

Nonspecific pseudohermaphroditism: report of two cases with cytogenetic investigations. Ferrier P, et al. *Helv Paediat Acta* 19:1-12, Jun 64

Clinical, hormonal and cytogenetic findings in a true hermaphrodite. Shearman RP, et al. *J Obstet Gynaec Brit Comm* 71:277-33, Aug 64

Some aspects of chromosome mosaicism in clinical medicine. Blank CE. *Lancet* 2:903-6, 24 Oct 64

## HERPES SIMPLEX

Herpes simplex retinopathy in an infant. Cogan DG, et al. *Arch Ophthalmol (Chicago)* 72:641-5, Nov 64

Treatment of herpes simplex lesions of the face with idoxuridine: results of a double-blind controlled trial. Juel-Jensen BE, et al. *Brit Med J* 5415:987-8, 17 Oct 64

Treatment of recurrent herpes. *Brit Med J* 5417:1134, 31 Oct 64

Treatment of recurrent herpes. *Brit Med J* 5415:960-1, 17 Oct 64

Evaluation of idoxuridine (IDU) (Dendrid, Herplex, Stoxil). *JAMA* 190:535-6, 9 Nov 64

## HERPES ZOSTER

Treatment of herpes zoster with high doses of prednisone. Elliott FA. *Lancet* 2:610-1, 19 Sep 64

## HERPES ZOSTER, OCULAR

Herpes zoster ophthalmicus in an 8-year-old child. Birks DA. *Brit J Ophthalmol* 47:60-1, Jan 63

Treatment of herpes zoster with high doses of prednisone. Elliott FA. *Lancet* 2:610-1, 19 Sep 64

## HERPESVIRUS INFECTIONS

Study of virulence and tumorigenicity of variants of herpes simplex virus. Rapp F, et al. *Proc Soc Exp Biol Med* 116:361-5, Jun 64

## HEXESTROL

In vitro activation of lipolytic activity in the serum of dogs by bile salts. Traxel WL, et al. *Proc Soc Exp Biol Med* 116:388-92, Jun 64

## HEXOKINASE

The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction. Zewe V, et al. *J Biol Chem* 239:1625-34, May 64

Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. Abraham S, et al. *J Nutr* 83:273-86, Jul 64

## HEXOSAMINES

Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. *Cancer Res* 24:614-8, May 64

Incorporation of <sup>14</sup>C and <sup>3</sup>H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. Silbert JE. *J Biol Chem* 239:1310-5, May 64

Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64

## HEXOSEPHOSPHATES

Separation of teichoic acid of *Staphylococcus aureus* into two immunologically distinct specific polysaccharides with alpha- and beta-N-acetylglucosaminyl linkages respectively. Antigenicity of teichoic acids in man. Torii M, et al. *J Exp Med* 120:13-29, 1 Jul 64

## HEXOSES

Structure of streptococcal cell walls. II. Group A biose and group A triose from C-polysaccharide. Heymann H, et al. *J Biol Chem* 239:1656-63, May 64

## HIP

Ischiofemoral "V" arthrodesis of the hip joint posterior approach. Howard RC. *Acta Orthop Scand* 34:251-7, 1964

## HIP DISLOCATION

Recurrent traumatic dislocation of the hip in a child. Aufranc OE, et al. *JAMA* 190:291-4, 26 Oct 64

## HIP DISLOCATION, CONGENITAL

[Treatment of congenital hip dysplasia during the 1st year of life] Gschwend N. *Helv Paediat Acta* 19:50-68, Jun 64 (Ger)

## HIP JOINT

Hip salvage by pelvic support osteotomy. Soren A. *Arch Surg (Chicago)* 89:656-62, Oct 64

Sedentary leg-pain: Ischaemia from narrowing on hip flexion of femoral arteries stiffened by atheroma. Rudolf ND, et al. *Brit Med J* 5413:863, 3 Oct 64

Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64

Problems in diagnosing osteoarticular tuberculosis. Hunt DD. *JAMA* 190:95-8, 12 Oct 64

Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. Albright JA, et al. *JAMA* 190:548-50, 9 Nov 64

Ester sulfate and collagen content of articular cartilage from human being femoral heads. Convery FR, et al. *Surg Forum* 15:435-7, 1964

## HIPPOCAMPUS

Effects of rhinencephalic lesions on endocrine and somatic development in the rat. Kling A. *Amer J Physiol* 206:1395-400, Jun 64

Electroencephalographic waves with voluntary movement. Study in the rat. Vanderwolf CH, et al. *Arch Neurol (Chicago)* 11:379-84, Oct 64

Interamygdaloid propagation. Andy OJ, et al. *Surg Forum* 15:400-2, 1964

## HIPPURATES

Fluorometric microanalysis of plasma hippuric acid and comparison of hippurate with p-aminohippurate clearances in dogs. Elliott HC, et al. *Proc Soc Exp Biol Med* 116:288-70, Jun 64

## HISTAMINE

5-Hydroxytryptamine (serotonin) in acute hypotensive shock. Swank RL, et al. *Amer J Physiol* 207:215-22, Jul 64

Alteration of vascular responses to endotoxin by

adrenergic blockade. Brake CM, et al. *Amer J Physiol* 207:149-51, Jul 64

Gastric secretory activity using the Kay and Hunt test meal methods. Aylett P, et al. *Clin Sci* 26:351-7, Jun 64

Anaphylactic reactions in mice induced by Bordetella pertussis lipopolysaccharide. Malkiel S, et al. *J Allerg* 35:306-12, Jul-Aug 64

Histamine metabolism in pancreatic-induced hypersecretion. Howe CT, et al. *Surg Forum* 15:367-9, 1964

Histamine and antihistamine in experimental ascites. Adesola AO, et al. *Surg Forum* 15:111-3, 1964

[Acetylcholine and histamine bronchial spasm in neurodermatitis and control subjects] Gottesfeld F. *Int Arch Allerg* 24:Suppl:52-3, 1964 (Ger)

## HISTAMINE LIBERATION

Insulin and epinephrine effects on platelet histamine release in a plasma-free system. Tidball ME. *Amer J Physiol* 207:177-80, Jul 64

Systemic hypotension by polybasic polymers. Lyons GW, et al. *Surg Forum* 15:95-7, 1964

## HISTIDINE

The metabolism of histidine. VI. Histidinemia and imidazolepyruvic aciduria. Baldrige RC, et al. *J Biol Chem* 239:1557-9, May 64

Excretion of 1- and 3-methylhistidine by human subjects after oral administration of L-histidine. Block WD, et al. *Proc Soc Exp Biol Med* 116:736-8, Jul 64

## HISTOCHEMISTRY

A further purification of cytochrome oxidase. Wainio WW. *J Biol Chem* 239:1402-5, May 64

Variation of alkaline phosphatase activity among cells of inducible and constitutive strains of human fibroblasts. Martin GM. *Proc Soc Exp Biol Med* 116:490-3, Jun 64

## HISTOLOGICAL TECHNIQS

Permanent plastic mounts of nervous tissue after differential gross staining. Waters ES. *Amer J Clin Path* 42:114-7, Jul 64

## HISTONES

On cell specificity of histones. Black MM, et al. *Arch Path (Chicago)* 78:350-68, Oct 64

Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64

## HISTOPLASMA

The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. Dzawachiszwilli N, et al. *J Invest Derm* 43:103-9, Aug 64

## HISTOPLASMOSIS

Eofinophilic pleural effusion: a review with the presentation on seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Eosinophilic pleural effusion: a review with the presentation of seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Experimental corneal histoplasmosis. Singer JA, et al. *Brit J Ophthalmol* 48:293-7, Jun 64

The clinical usefulness of fungal serologic testing. Mays EE, et al. *Dis Chest* 46:205-10, Aug 64

Propylene glycol aerosolization and the diagnosis of pulmonary histoplasmosis. Singh MD, et al. *Dis Chest* 46:82-6, Jul 64

## HISTORY OF MEDICINE, ANCIENT

Goiter in Gandhara. A representation in a second to third century AD frieze. Blumberg BS. *JAMA* 189:1008-12, 28 Sep 64

Galen. (Galen C), et al. *Proc Roy Soc Med* 57:679-81, Aug 64

## HISTORY OF MEDICINE, 18TH CENT.

Harelip repair in Colonial America. A review of 18th century and earlier surgical techniques. Rogers BO. *Plast Reconstr Surg* 34:142-62, Aug 64

## HISTORY OF MEDICINE, 19TH CENT.

The ether controversy revisited (Morton WT), (Jackson CT). (Morton WT), et al. *Anesthesiology* 25:560-3, Jul-Aug 64

The ophthalmic observations of David Livingstone. (Livingstone D), et al. *Brit J Ophthalmol* 47:372-4, Jun 63

The first Australian medical libraries. Gandevia B, et al. *Med J Aust* 2:314-20, 22 Aug 64



HISTORY OF MEDICINE, 20TH CENT.

Neurosurgical classic. VII. Wilkins RH  
*J Neurosurg* 20:450-8, May 63  
Neurosurgical classic. VIII. Wilkins RH.  
*J Neurosurg* 20:531-8, Jun 63  
Mathew Harris O'Connor, 11 July 1895-20 June 1963.  
(O'Connor MH), et al. *J Path Bact* 88:358-60, Jul 64  
John Lawrence Pinniger, 9 May 1914-8 June 1963.  
(Pinniger JL), et al. *J Path Bact* 88:361-4, Jul 64  
Fredric Battinson Smith, 16 February 1888-10 July 1963.  
(Smith FB), et al. *J Path Bact* 88:365-8, Jul 64  
Claude Gordon Douglas, 26 February 1882-23 March  
1963. (Douglas CG), et al. *J Path Bact* 88:343-57, Jul 64  
John William Whittick, 16 June 1914-18 April 1963.  
(Whittick JW). *J Path Bact* 88:369-74, Jul 64  
The doctor and the soldier. Fergusson B.  
*New Zeal Med J* 63:407-12, Jul 64

HOARSENESS

The effect of hypothyroidism on the larynx of the rat.  
An explanation for hoarseness associated with  
hypothyroidism in the human. Ritter FN.  
*Ann Otol* 73:404-16, Jun 64  
Lipidproteinosis (Urbach-Wiethe syndrome). Hewson  
GE. *Brit J Ophthal* 47:242-5, Apr 63

HODGKIN'S DISEASE

A search for the Burkitt lymphoma in tropical Central  
America. Rowe NH, et al.  
*Brit J Cancer* 18:228-32, Jun 64  
The radiology of masses lying within and adjacent to  
the tentorial hiatus. Zingesser LH, et al.  
*Brit J Radiol* 37:486-510, Jul 64  
Observations on intralymphatic radiotherapy and  
general chemotherapy. Chiappa S, et al.  
*Clin Radiol* 15:202-9, Jul 64  
Pathology of tumours in children. Steward JK.  
*J Clin Path* 17:407-10, Jul 64  
Cancer in pregnancy. Cade S.  
*J Obstet Gynaec Brit Comm* 71:341-8, Jun 64  
In-vitro studies of lymphocytes from patients with  
sarcoidosis and lymphoproliferative diseases.  
Hirschhorn K, et al. *Lancet* 2:842-3, 17 Oct 64  
Lymphomas: relationship between dosage and  
recurrence. Jacobs ML, et al.  
*Radiology* 83:106-7, Jul 64  
The use of endoxan in the treatment of cancer. A reply  
by Noristan Laboratories (PTY.) LTD. and  
Asta-Werke A.G. *S Afr Med J* 38:Suppl:1-6, 15 Aug 64

HOMEOSTASIS

Parathyroid hormone and phosphate homeostasis in  
man. Halden A, et al.  
*Acta Endocr (Kobenhavn)* 46:285-91, Jun 64  
Vascular manifestations of extensive thermal skin  
injury in rat mesentery. Horn L, et al.  
*Amer J Physiol* 207:137-43, Jul 64

HOMICIDE

Somnambulistic homicide. Podolsky E.  
*Amer J Psychiat* 121:191-2, Aug 64  
Official autopsy report on President Kennedy.  
(Kennedy JF). *JAMA* 190:98-100, 26 Oct 64

HOMOSEXUALITY

A systematic approach to the treatment of  
homosexuality by conditioned aversion: preliminary  
report. Feldman MP, et al.  
*Amer J Psychiat* 121:167-71, Aug 64

HORMONES

The significance of invertebrate hormones in relation  
to differentiation. Burdette WJ.  
*Cancer Res* 24:521-36, May 64  
Effects of neonatal gamma irradiation on hormone  
production and spermatogenesis in testis of the adult  
pig. Erickson BH. *J Reprod Fertil* 8:91-100, Aug 64

HORNER'S SYNDROME

Horner's syndrome produced by hypertrophic spurs  
from the cervical spine. Khurana KM, et al.  
*Brit J Ophthal* 48:227-9, Apr 64

HORSE DISEASES

Observations on heaves. An asthma-like syndrome in  
the horse. Lowell FC. *J Allerg* 35:322-30, Jul-Aug 64

HORSES

Normal blood volumes in the horse. Marcielse NA, et al.  
*Amer J Physiol* 207:223-7, Jul 64

HOSPITAL ADMINISTRATION

Why don't we tell? *Lancet* 2:797, 10 Oct 64

HOSPITAL EMERGENCY SERVICE

Problems of anesthesia for orthopedic procedures.  
Tovell RM, et al. *J Int Coll Surg* 42:429-37, Oct 64  
The organization of a provincial accident center in the  
south-western region. Durbin FC.  
*Proc Roy Soc Med* 57:485-92, Jun 64

HOSPITAL EQUIPMENT AND  
SUPPLIES

A hydraulic scale for in-bed weighing of patients. Roe  
CF, et al. *J Appl Physiol* 19:820-2, Jul 64

HOSPITAL MEDICAL STAFF

Our neglect of general internists and practitioners in  
teaching hospitals. Levine SA.  
*JAMA* 190:286-8, 26 Oct 64  
Physician-hospital relations. *JAMA* 190:74-9, 5 Oct 64

HOSPITAL NURSING SERVICE

Nursing administration. *Brit Med J* 5414:892-3, 10 Oct 64  
Ultra-clean ward for cancer chemotherapy. Bagshawe  
KD. *Brit Med J* 5413:871-2, 3 Oct 64  
Future management of infectious diseases. Ramsay  
AM, et al. *Brit Med J* 5415:1094-5, 17 Oct 64

HOSPITAL OUTPATIENT SERVICE

Urgency as a factor in clinic attendance. Ambuel JP, et  
al. *Amer J Dis Child* 108:394-8, Oct 64

HOSPITAL PLANNING AND  
CONSTRUCTION

The organization of a provincial accident center in the  
south-western region. Durbin FC.  
*Proc Roy Soc Med* 57:485-92, Jun 64  
Thoughts on function and design of diagnostic  
departments. Leman RM.  
*Radiography* 30:167-75, Jul 64

HOSPITALIZATION

Systematic underestimation in reported mental  
hospital readmission rates. Friedman I, et al.  
*Amer J Psychiat* 121:148-52, Aug 64  
Children, hospitals and parents. Smith RM.  
*Anesthesiology* 25:461-5, Jul-Aug 64  
Effects of early discharge after hospital confinement.  
McEwan ED. *Lancet* 2:744-5, 3 Oct 64

HOSPITALS

The Hampstead General: beginning and ending.  
(Strange H), et al. *Brit Med J* 5417:1126-7, 31 Oct 64  
The specialty of chest medicine. Oswald NC.  
*Brit Med J* 5414:935-9, 10 Oct 64  
The Hampstead General: beginning and ending.  
(Strange H), et al. *Brit Med J* 5417:1126-7, 31 Oct 64  
Private hospitals and graduate medical education.  
Werch SC. *J Amer Geriat Soc* 12:749-55, Aug 64  
The district hospital as teaching centre. Venters RS.  
*Lancet* 2:807-9, 10 Oct 64  
Discrimination against Negroes in hospitals. Seham M.  
*New Eng J Med* 271:940-3, 29 Oct 64  
Effect of the Alaska earthquake on functions of PHS  
Hospital. Wilson MR.  
*Public Health Rep* 79:853-61, Oct 64  
Hospital noise and the patient. Burger JG.  
*S Afr Med J* 38:704-7, 29 Aug 64

HOSPITALS, CONVALESCENT

Accreditation and the adjuvant effects on convalescent  
home operation. Zampella AD.  
*J Amer Geriat Soc* 12:658-64, Jul 64

HOSPITALS, PSYCHIATRIC

Psychiatric planning at the community level. Gaylin S.  
*Amer J Psychiat* 121:153-9, Aug 64  
Systematic underestimation in reported mental  
hospital readmission rates. Friedman I, et al.  
*Amer J Psychiat* 121:148-52, Aug 64  
Selection and treatment of psychiatric outpatients;  
determined by the their personal and social  
characteristics. Brown JH, et al.  
*Arch Gen Psychiat (Chicago)* 11:425-38, Oct 64  
Size, staffing, and psychiatric hospital effectiveness.  
Ullmann LP, et al.  
*Arch Gen Psychiat (Chicago)* 11:360-7, Oct 64  
Psychiatric units in general hospitals. Brook CP.  
*Lancet* 2:684-6, 20 Sep 64  
Psychiatric units in general hospitals.  
*Lancet* 2:861-2, 17 Oct 64

Negotiating a division of labor among professionals in  
the state mental hospital. Schatzman L, et al.  
*Psychiatry* 27:266-77, Aug 64

HOUSING

Modern housing programs for the elderly in  
Connecticut. Riccitelli ML.  
*J Amer Geriat Soc* 12:756-62, Aug 64

HUMERAL FRACTURES

Treatment of non-union of fractures of the long bones  
by the two-plate method. Murray WR, et al.  
*J Bone Joint Surg [Amer]* 46:1027-48, Jul 64

HUMERUS

Problems in diagnosing osteoarticular tuberculosis.  
Hunt DD. *JAMA* 190:95-8, 12 Oct 64

HUNGER

[Does hunger during infancy inhibit brain growth and  
development of intelligence?] Harnack GA von.  
*Deutsch Med Wschr* 89:1957-8, 9 Oct 64 (Ger)

HYALIN SUBSTANCE

Hyaloid remnants in the eyes of premature babies.  
Jones HE. *Brit J Ophthal* 47:39-44, Jan 63

HYALINE MEMBRANE DISEASE

Pathophysiology of respiratory distress in newborn  
lambs. Circulatory, biochemical, and pathological  
considerations. Stahlman M, et al.  
*Amer J Dis Child* 108:375-93, Oct 64  
Fibrinolytic activity of human tissues from adult and  
infant cadavers. Sandberg H, et al.  
*J Lab Clin Med* 64:99-106, Jul 64

HYALURONIC ACID

Production of hyaluronic acid by cysts and tumors of  
the ciliary body. Zimmerman LE, et al.  
*Arch Ophthal (Chicago)* 72:365-79, Sep 64  
Host-parasite relationships among group A  
streptococci. I. Hyaluronic acid production by  
virulent and avirulent strains. Willoughby DS, et al.  
*J Bact* 87:1452-6, Jun 64  
Production of a polysaccharide by *Staphylococcus*  
*aureus*. 3. Action of penicillins and polysaccharides  
on enzymic lysis. Warren GH, et al.  
*Proc Soc Exp Biol Med* 116:317-23, Jun 64

HYDATIDIFORM MOLE

Recurrent hydatidiform mole. A case report of 3  
consecutive moles. Morrison DL.  
*J Obstet Gynaec Brit Comm* 71:640-2, Aug 64  
New method for diagnosis of hydatidiform mole. Wide  
L, et al. *Lancet* 2:699, 20 Sep 64  
Pelvic angiography in the diagnosis of malignant  
trophoblastic disease. Hendrickse JP de, et al.  
*New Eng J Med* 271:859-66, 22 Oct 64  
Serum aminopeptidase in pregnancy, hydatiform mole,  
and choriocarcinoma. Smith EE, et al.  
*Surg Forum* 15:391-2, 1964

HYDRALAZINE

Enzymes and drug sensitivity. Acetylation  
polymorphisms. Evans DA.  
*Proc Roy Soc Med* 57:508-11, Jun 64  
Cesarean section in the eclamptic patient on  
antihypertensive therapy: A review of fourteen  
cases. Alexander JA, et al.  
*Southern Med J* 57:1282-7, Nov 64  
Metabolic responses to various vasoactive and  
cardiotonic agents in hypovolemia. Unal M, et al.  
*Surg Forum* 15:25-7, 1964  
Effects of vasopressors and blocking agents on the  
kidney in oligemia. Glojuba RW, et al.  
*Surg Forum* 15:12-3, 1964

HYDRAMNIOS

Cerebral teratoma associated with epignathus in a  
newborn infant. Duckett S, et al.  
*J Neurosurg* 20:888-91, Oct 63

HYDRAZINES

Inhibition of mammary cancer in rats by a  
dithiocarbamoylhydrazine (ICI-33,828). Shay H, et al.  
*Cancer Res* 24:998-1001, Jul 64

HYDROCARBONS

Origin of palmitic acid carbon in palmitates formed  
from hexadecane-1-C-14 and tetradecane-1-C-14 by  
*Micrococcus cerificans*. Finnerty WR, et al.  
*J Bact* 87:1261-5, Jun 64



Hexadecane-induced hyperkeratinization of guinea pig skin. I. Changes in epidermal weight and water binding. Kirk DL, et al. *J Invest Derm* 43:93-8, Aug 64

## HYDROCELE

An unusual case of bilateral hydrocele in an infant. Martin DC, et al. *Brit J Urol* 36:261-3, Jun 64

## HYDROCEPHALUS

Vertebral angiography in the diagnosis of ventricular dilatation. Galloway JR, et al.

*Acta Radiol [Diagn]* (Stockholm) 2:321-33, Jul 64

Fetal spongiblastoma. Duckett S, et al.

*J Neuropath Exp Neurol* 23:560-4, Jul 64

Neurosurgical classic. XX. (Dandy WE), et al.

*J Neurosurg* 21:586-635, Jul 64

Recognition and treatment of hydrocephalus following spontaneous subarachnoid hemorrhage. Shulman K, et al. *J Neurosurg* 20:1040-9, Dec 63

Studies on the rate of disappearance of Na-24 from the ventricular cavities in obstructive hydrocephalus. Migliore A, et al. *J Neurosurg* 21:521-3, Jul 64

Hydrocephalus: changes in formation and absorption of cerebrospinal fluid within the cerebral ventricles. Bering EA Jr, et al. *J Neurosurg* 20:1050-63, Dec 63

Five-year comparative study of hydrocephalus in children with and without operation (113 cases). Foltz EL, et al. *J Neurosurg* 20:1064-79, Dec 63

Prognosis in infantile hydrocephalus: past and present. Yashon D. *J Neurosurg* 20:105-11, Feb 63

Complications of ventriculovenous shunts. Strenger L. *J Neurosurg* 20:219-24, Mar 63

Electrocardiographic alterations observed during fractional pneumoencephalography. Davie JC. *J Neurosurg* 20:321-8, Apr 63

Congenital communicating hydrocephalus. Granholm L, et al. *J Neurosurg* 20:338-43, Apr 63

Test for patency of ventriculovascular shunt for hydrocephalus with radioactive iodinated serum albumin. Kagen A, et al. *J Neurosurg* 20:1025-8, Dec 63

Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. Tindall GT, et al. *J Neurosurg* 20:985-94, Nov 63

Bony spicule piercing the pumping device for shunting cerebrospinal fluid. Jakoby RK. *J Neurosurg* 20:523, Jun 63

Myelomeningocele in one identical twin. Gross HP. *J Neurosurg* 20:439-40, May 63

[Late prognosis in children with surgically treated meningocele] Lagrange E, et al.

*Deutsch Med Wschr* 89:1457-62, 31 Jul 64 (Ger)

[The Durand-Zunin syndrome. Report of a pertinent observation.] Simon C, et al.

*Helv Paediat Acta* 19:78-86, Jun 64 (Ger)

## HYDROCHLORIC ACID

Sorption of hydrogen chloride and trifluoroacetic acid on poly-L-valine and poly-L-leucine. Brandt WW, et al. *J Biol Chem* 239:1442-6, May 64

A gastric inhibitory substance from dog antral juice. Semb LS, et al. *Surg Forum* 15:319-21, 1964

## HYDROCHLOROTHIAZIDE

Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. Pardo EG, et al. *J Pharmacol Exp Ther* 144:124-30, Apr 64

## HYDROCORTISONE

Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation of some of the esters. Agarwal KN, et al.

*Acta Endocr (Copenhagen)* 47:Suppl 93:37-52, 1964

Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al.

*Acta Endocr (Copenhagen)* 47:Suppl 93:3-27, 1964

Effect of aldosterone and cortisol on sodium and water content of the rat kidney. Kessler E, et al.

*Amer J Physiol* 207:109-12, Jul 64

The management of experimental endotoxin shock. The circulatory effects of levaterenol, hydrocortisone, phenoxybenzamine hydrochloride, and blood volume expansion. Smith LL, et al.

*Arch Surg (Chicago)* 89:630-8, Oct 64

The effect of steroid therapy on normal and abnormal atrio-ventricular conduction. Dall JL.

*Brit Heart J* 26:537-43, Jul 64

In vitro studies on mouse mammary gland response to hormonal treatment. Ranadive KJ, et al.

*Brit J Cancer* 18:308-11, Jun 64

The ability of certain adrenocortical hormones to potentiate the vasoconstrictor action of nor-adrenaline on the conjunctival vessels in the rabbits and in man. Lepri G, et al.

*Brit J Ophthalmol* 48:205-8, Apr 64

Spiroglactone and plasma cortisol. Metcalf MG. *Brit Med J* 5418:1201, 7 Nov 64

Effect of adrenocortical hormones on release of free

fatty acids and uptake of glucose in human peripheral tissues. Jenkins JS, et al. *Clin Sci* 26:421-7, Jun 64

Cortisol effects on the uterine response to estrogen. Nicolette JA, et al. *Endocrinology* 74:955-9, Jun 64

Biologic effects of melengestrol acetate. Duncan GW, et al. *Fertil Steril* 15:416-32, Jul-Aug 64

Effects of cortisol on the metabolism of glucose by lymphoid tissue. Blecher M.

*J Biol Chem* 239:1299-300, May 64

Regulation of the free amino acids of skin by hydrocortisone. Ryan WL.

*J Invest Derm* 43:121-3, Aug 64

Preoperative hormonal treatment in cases of cerebral tumor. Bernard-Well E, et al.

*J Neurosurg* 20:841-8, Oct 63

The effect of cortisol on mitosis in the skin of the mouse. Davis JC. *J Path Bact* 88:247-54, Jul 64

Collagen formation in monolayer cultures of human fibroblasts. The effects of hydrocortisone. Castor CW, et al. *Lab Invest* 13:560-74, Jun 64

Hydrocortisone in severe myocardial infarction. Trial conducted by the Scientific Subcommittee of the Scottish Society of Physicians.

*Lancet* 2:785-6, 10 Oct 64

Interchangeability of adrenocortical hormones in initiating mammary secretion in vitro. Rivera EM. *Proc Soc Exp Biol Med* 116:568-72, Jul 64

Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. Lerner LJ, et al.

*Proc Soc Exp Biol Med* 116:385-8, Jun 64

Bioassay of adrenocorticosteroids by the dog eosinophil response. Tonelli G, et al.

*Proc Soc Exp Biol Med* 116:501-6, Jun 64

Effect of cyclophosphamide in the adrenalectomized animal. Tipton JB. *Surg Forum* 15:344-6, 1964

[Hormone therapy of cerebral edema in cerebrovascular accidents] Façon E, et al.

*Presse Med* 72:2377-9, 3 Oct 64 (Fr)

## HYDROCORTISONE, TOPICAL

Regulation of the free amino acids of skin by hydrocortisone. Ryan WL.

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

*J Invest Derm* 43:121-3, Aug 64

to other pancreatic proteins. Rleser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64

## HYDRO-LYASES

Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64

## HYDRONEPHROSIS

Cell proliferation in experimental hydronephrosis and compensatory renal hyperplasia. Benitez L, et al. *Amer J Path* 44:961-72, Jun 64

The effect of opposite nephrectomy upon developing experimental open hydronephrosis in the rat. Arnold DD. *Brit J Urol* 36:175-83, Jun 64

A method of producing experimental open hydronephrosis in the rat. Arnold DD.

*Brit J Urol* 36:169-74, Jun 64

A case of hemipyonephrosis in a duplicated kidney presenting in middle age. Ross KF.

*Brit J Urol* 36:191-3, Jun 64

Experimental hydronephrosis: morphologic and enzymatic studies of renal tubules in ureteric obstruction and recovery in the rat. II. Pentose phosphate pathway. Kissane JM, et al.

*Lab Invest* 13:647-61, Jun 64

Experimental hydronephrosis: morphologic and enzymatic studies on renal tubules in ureteric obstruction and recovery in the rat. I. Alkaline and acid phosphatases. Kissane JM, et al.

*Lab Invest* 13:539-46, Jun 64

## HYDROTHORAX

Neonatal respiratory distress associated with a high haematocrit reading. Giedion A.

*Lancet* 2:913, 24 Oct 64

## HYDROXAMIC ACID

The chymotrypsin-catalyzed hydrolysis and synthesis of N-acetyl-L-tyrosine hydroxamic acid. Caplow M, et al. *J Biol Chem* 239:1640-52, May 64

## HYDROXYBUTYRATE

### DEHYDROGENASE

Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al.

*Brit Med J* 5417:1108-11, 31 Oct 64

Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al.

*Brit Med J* 5417:1108-11, 31 Oct 64

## HYDROXYBUTYRATES

Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. Merrick JM, et al.

*J Bact* 88:60-71, Jul 64

## HYDROXYCHLOROQUINE

The value and dangers of antimalarial therapy in arthritis with special relation to ophthalmic complications. Kersley GD.

*Proc Roy Soc Med* 57:669-71, Aug 64

## 17-HYDROXYCORTICOSTEROIDS

Cushing's syndrome with atypical biochemical results. Harden RM, et al.

*Acta Endocr (Copenhagen)* 46:256-64, Jun 64

Influence of body composition on adrenal function in obesity. Prezio JA, et al. *J Clin Endocr* 24:481-5, Jun 64

Mechanisms of adrenal cortical activation by hypotension. Gann DB, et al. *Surg Forum* 15:8-10, 1964

## HYDROXYLAMINES

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64

Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al.

*Cancer Res* 24:596-602, May 64

The chymotrypsin-catalyzed hydrolysis and synthesis of N-acetyl-L-tyrosine hydroxamic acid. Caplow M, et al. *J Biol Chem* 239:1640-52, May 64

*J Biol Chem* 239:1640-52, May 64

*J Biol Chem* 239:1640-52, May 64

## HYDROXYLASES

Effect of dietary phenylalanine on activity of phenylalanine hydroxylase from rat liver. Woods MN, et al. *Proc Soc Exp Biol Med* 116:427-30, Jun 64

## HYDROXYPROLINE

Collagenolytic activity of mammalian pancreas. Houck JC, et al. *Proc Soc Exp Biol Med* 116:382-5, Jun 64



Ester sulfate and collagen content of articular cartilage from human being femoral heads. Convery FR, et al. *Surg Forum* 15:435-7, 1964  
Wound healing defect in lathyrism. Berberian GM, et al. *Surg Forum* 15:50-2, 1964  
Correlation of urinary hydroxyproline to severity of burn. Klein L, et al. *Surg Forum* 15:465-7, 1964

## HYPERALDOSTERONISM

Bilateral renal artery stenosis with aldosteronism. Blagg CR, et al. *Brit J Radiol* 37:554-7, Jul 64  
Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. Urquhart J, et al. *J Clin Invest* 43:1355-66, Jul 64  
Plasma renin activity in primary aldosteronism. Importance in differential diagnosis and in research of essential hypertension. Conn JW, et al. *JAMA* 190:222-5, 19 Sep 64  
Suppression of plasma renin activity in primary aldosteronism. Distinguishing primary from secondary aldosteronism in hypertensive disease. Conn JW, et al. *JAMA* 190:213-21, 19 Sep 64

## HYPERBARIC OXYGENATION

Treatment of neo-vascularization with oxygen at high pressure. Winstanley J. *Brit J Ophthalmol* 47:524-6, Sep 63  
The effect of hyperbaric oxygen on experimental cerebral infarction in the dog. With preliminary correlations of cerebral blood flow at 2 atmospheres of oxygen. Jacobson I, et al. *J Neurosurg* 20:849-59, Oct 63  
Hyperbaric oxygen and corneal neovascularisation. Henkind P. *Lancet* 2:836-8, 17 Oct 64  
Hyperbaric oxygen in resuscitation of the newborn. Hutchison JH, et al. *Lancet* 2:691-2, 20 Sep 64  
Hyperbaric oxygen in resuscitation of the newborn. Dawes GS, et al. *Lancet* 2:910, 24 Oct 64  
Hyperbaric oxygen in resuscitation of the newborn. Crawford JS. *Lancet* 2:815-6, 10 Oct 64  
Effects of in vivo hyperoxia on erythrocytes. 1. Hemolysis in mice exposed to hyperbaric oxygenation. Mengel CE, et al. *Proc Soc Exp Biol Med* 116:259-61, Jun 64  
Effect of hyperbaric oxygen and cancer chemotherapy on growth of animal tumors. DeCosse JJ, et al. *Surg Forum* 15:203-5, 1964  
Hyperbaric oxygen and 5-fluorouracil in the treatment of experimental melanoma. Kinsey DL. *Surg Forum* 15:205-6, 1964  
Effects of hyperbaric oxygenation on left circumflex coronary artery occlusion in dogs. Roshe J, et al. *Surg Forum* 15:208-9, 1964  
Excess lactate in cyanotic dogs during hyperbaric oxygenation. Zaroff LI, et al. *Surg Forum* 15:202-3, 1964  
Effect of hyperbaric oxygenation on hepatic inflow occlusion. Jacobsen DS, et al. *Surg Forum* 15:198-200, 1964  
Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Bernhard WF, et al. *Surg Forum* 15:197-8, 1964  
Hyperbaric oxygenation in massive pulmonary embolism. Attar SM, et al. *Surg Forum* 15:200-2, 1964  
Role of oxygen in development of pulmonary hypertension. Liddle HV. *Surg Forum* 15:186-8, 1964  
Carbon dioxide effect on cerebral oxygenation at increased atmospheric pressures. Pinto D, et al. *Surg Forum* 15:411-2, 1964  
Protective influence of external counter-pressure after acute hemorrhage in dogs. Anderson LG, et al. *Surg Forum* 15:4-6, 1964  
Cryotolerance of superoxygenated human skin explants. Barner HB, et al. *Surg Forum* 15:477-8, 1964  
[Hyperbaric oxygen chamber for newborn infants] Wanner J. *Deutsch Med Wschr* 89:1757-9, 11 Sep 64 (Ger)

## HYPERBILIRUBINEMIA

[The 4 serum bilirubin fractions in cholestatic hepatosis] Kuenzle C, et al. *Deutsch Med Wschr* 89:1475-7, 31 Jul 64 (Ger)

## HYPERCALCEMIA

Management of the parathyroid crisis. Henley RB. *Amer J Surg* 108:183-90, Aug 64  
Parathyroid origin of calcitonin—evidence from perfusion of sheep glands. Copp DH, et al. *Endocrinology* 75:49-55, Jul 64  
Pancreatic adenoma with intractable diarrhea, hypokalemia, and hypercalcemia. Brown CH, et al. *JAMA* 190:30-4, 5 Oct 64  
Stupor, hypercalcemia and carcinoma of the renal pelvis. Bourne HH, et al. *New Eng J Med* 271:1005-6, 5 Nov 64

## HYPERCHOLESTEREMIA

Coats's disease. II. Studies on the identity of the lipids concerned, and the probable role of mucopolysaccharides in its pathogenesis. Duke JR, et al. *Brit J Ophthalmol* 47:413-34, Jul 63  
Coats's disease. I. Review of the literature, diagnostic criteria, clinical findings, and plasma lipid studies. Woods AC, et al. *Brit J Ophthalmol* 47:385-412, Jul 63  
Coats's disease. 3. Experimental study of the effect of sterile uveal inflammation on rabbits with an induced hyperlipaemia. Woods AC, et al. *Brit J Ophthalmol* 48:330-40, Jun 64  
To-day's drugs. Agents for lowering serum cholesterol. *Brit Med J* 5418:1181-3, 7 Nov 64  
Essential hypercholesterolaemic xanthomatosis. Roper BW. *Brit Med J* 5415:990-1, 17 Oct 64  
Role of dietary fats in inducing hypercholesterolemia in rats. Samy TS, et al. *J Atheroscler Res* 4:356-66, Jul-Aug 64  
The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. Fabry P, et al. *Lancet* 2:614-5, 19 Sep 64  
Ileal bypass in lowering high cholesterol levels. Buchwald H, et al. *Surg Forum* 15:289-91, 1964

## HYPEREMIA

Gastroduodenal congestion and histamine provoked ulcers. Gliedman ML, et al. *Surg Forum* 15:314-5, 1964  
Effect of venous stasis on long bone growth in the dog. Keck SW, et al. *Surg Forum* 15:443-4, 1964

## HYPERGLYCEMIA

Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. Kosaka K, et al. *Endocrinology* 75:9-14, Jul 64  
Insulin response to glucose loading in acromegaly. Cerasi E, et al. *Lancet* 2:769-71, 10 Oct 64  
Diabetic acidosis secondary to steroid therapy. Blureau RP, et al. *New Eng J Med* 271:836, 15 Oct 64

## HYPERKALEMIA

Hypertension and hyperpotassaemia without renal disease in a young male. Paver WK, et al. *Med J Aust* 2:305-6, 22 Aug 64  
Isolated anadosteronism. I. Clinical entity, with manifestations of persistent hyperkalemia, periodic paralysis, salt-losing tendency, and acidosis. Posner JB, et al. *Metabolism* 13:513-21, Jun 64  
Hypoglycaemic coma and hyperkalaemic acidosis due to alcohol intoxication. Vinke B. *Trop Geogr Med* 18:115-9, Jun 64

## HYPERLIPEMIA

Effect of tolbutamide in clearing induced alimentary lipaemia after alcoholic hepatopancreatic damage. Gebbie T, et al. *Lancet* 2:661-3, 20 Sep 64  
An assessment of the role of alpha and beta chylomicra in hyperlipemic states. Nye WH. *Proc Soc Exp Biol Med* 116:350-4, Jun 64

## HYPERLIPEMIA, ESSENTIAL

### FAMILIAL

Nephropathy in essential familial hyperlipaemia. Khachadurian AK, et al. *Lancet* 2:911-2, 24 Oct 64

## HYPEROPIA

Stimulation of normal binocular vision while treating strabismus by the localization method. Starkiewicz W, et al. *Brit J Ophthalmol* 47:728-35, Dec 63

## HYPERPARATHYROIDISM

Dysfibroplasia, dyschondroplasia and dysosteoplasia of bone. Edling NP. *Acta Radiol [Diagn]* (Stockholm) 2:283-8, Jul 64  
Management of the parathyroid crisis. Henley RB. *Amer J Surg* 108:183-90, Aug 64  
Coexisting hyperparathyroidism and Paget's disease. Martin MM, et al. *Arch Intern Med (Chicago)* 114:482-6, Oct 64  
Hyperparathyroidism and uric acid lithiasis: a report of two cases. Frank M, et al. *Brit J Urol* 36:184-6, Jun 64  
Atypical vitamin-D resistant osteomalacia. Report of a case. Yoshikawa S, et al. *J Bone Joint Surg [Amer]* 46:998-1007, Jul 64  
Parathyroid scanning with selenium-75 labelled methionine. DiGiulino W, et al. *J Nucl Med* 5:417-27, Jun 64  
Neonatal tetany secondary to maternal hyperparathyroidism. Mizrahi A, et al. *JAMA* 190:155-6, 12 Oct 64  
Some observations of renal tubular acidosis—a family study. Seedat YK. *S Afr Med J* 38:606-10, 15 Aug 64

## HYPERPLASIA

Cell proliferation in experimental hydronephrosis and compensatory renal hyperplasia. Benitez L, et al. *Amer J Path* 44:961-72, Jun 64  
"Virilizing" adrenal hyperplasia in an elderly man; association with chronic fatigue and fever. Gilboa Y, et al. *Arch Intern Med (Chicago)* 114:475-81, Oct 64

## HYPERTENSION

Isotope nephrography with <sup>131</sup>I "hippuran". II. Experience in arterial hypertension with a particular view to renal artery stenosis. Friis T, et al. *Acta Med Scand* 176:31-43, Jul 64  
The cardiovascular manifestations of systemic lupus erythematosus. Hejtmancik MR, et al. *Amer Heart J* 68:119-30, Jul 64  
Failure to demonstrate vasopressor material in salt hypertensive rats. Koletsky S, et al. *Amer J Physiol* 207:152-4, Jul 64  
Cadmium hypertension in rats. Schroeder HA. *Amer J Physiol* 207:62-6, Jul 64  
Guanethidine and methyldopa: a haemodynamic study. Chamberlain DA, et al. *Brit Heart J* 26:528-36, Jul 64  
Retinopathy and diabetic control. Brown IK, et al. *Brit J Ophthalmol* 48:148-50, Mar 64  
Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies. Friedberg CK, et al. *Circ Res* 15:1-10, Jul 64  
Hemodynamics of the Master two-step test in hypertension and healed myocardial infarction. Makous N, et al. *Circulation* 30:77-85, Jul 64  
Pathological anatomy of acute hypertension of pregnancy. McCartney CP. *Circulation* 30:Suppl 2:37-42, Aug 64  
Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. Dahl LK, et al. *Circulation* 30:Suppl 2:11-22, Aug 64  
Long-range incidence and clinical relationship of toxemias of pregnancy to hypertensive vascular disease. Tillman AJ. *Circulation* 30:Suppl 2:76-9, Aug 64  
Similarities between clinical toxemia of pregnancy and experimental hypertension. A survey. Tobian L. *Circulation* 30:Suppl 2:80-95, Aug 64  
Variation in arterial pressure throughout the day and night. Richardson DW, et al. *Clin Sci* 26:445-60, Jun 64  
A clinical study of ethchlorvynol in cardiac patients. Blinder S. *Curr Ther Res* 6:373-8, May 64  
A new diagnostic and therapeutic approach in the treatment of hypertension. Shubin H, et al. *Curr Ther Res* 6:368-72, May 64  
Angiotensin skin test and its relation to hypertension in man. Hradcová L, et al. *Helv Paediat Acta* 19:87-98, Jun 64  
Management of critical and chronic hypertension. Mozan AA, et al. *Industr Med Surg* 33:553-9, Aug 64  
Cardiovascular disease in the Masai. Mann GV, et al. *J Atheroscler* 4:289-312, Jul-Aug 64  
Chemical tests for pheochromocytoma. Kelleher J, et al. *J Clin Path* 17:399-404, Jul 64  
The influence of age on the uptake of <sup>35</sup>S-sulphate and <sup>3</sup>H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al. *J Path Bact* 88:291-301, Jul 64  
Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. Pardo EG, et al. *J Pharmacol Exp Ther* 144:124-30, Apr 64  
Plasma renin activity in primary aldosteronism. Importance in differential diagnosis and in research of essential hypertension. Conn JW, et al. *JAMA* 190:222-5, 19 Sep 64  
Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI. *JAMA* 190:456-62, 2 Nov 64  
Treatment of acute hypertensive crises in surgical patients. Baldini E, et al. *JAMA* 190:157-8, 12 Oct 64  
Relief of high left-atrial pressure in left-ventricular failure. Case RB, et al. *Lancet* 2:841-2, 17 Oct 64  
The use of bethandine in the treatment of hypertension. Johnston AW, et al. *Lancet* 2:659-61, 20 Sep 64  
Hypertension and hyperpotassaemia without renal disease in a young male. Paver WK, et al. *Med J Aust* 2:305-6, 22 Aug 64  
Case records of the Massachusetts General Hospital. Case 53-1964. *New Eng J Med* 271:953-9, 29 Oct 64  
Observations on the mortality of 270 treated and 199 untreated retinal grade I and II hypertensive patients followed in all instances for five years. (With special reference to the basal blood pressure, and to the presence of absence of certain hypertensive disabilities at the onset). Smirk FH. *New Zeal Med J* 63:413-43, Jul 64  
Hypertension and life assurance. MacDonald ID, et al. *Practitioner* 193:57-60, Jul 64  
Hypertensive heart disease. Fleming PR. *Practitioner* 193:27-34, Jul 64  
Diet and hypertension. Jones EW, et al. *Practitioner* 193:50-6, Jul 64  
The natural history and epidemiology of essential hypertension. Platt R. *Practitioner* 193:5-13, Jul 64



The choice of hypotensive agents. Palmer KN. *Practitioner* 193:43-9, Jul 64  
Hypertension and the kidney. Peart WS. *Practitioner* 193:14-26, Jul 64  
Cesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases. Alexander JA, et al. *Southern Med J* 57:1282-7, Nov 64  
[Clinical trial of a hypotensive drug: 3,4-dihydroxy-d-l-phenylalanine or Methyl dopa] Milliez P, et al. *Presse Med* 72:2519-20, 17 Oct 64 (Fr)

## HYPERTENSION, MALIGNANT

A case of hypertension with ischaemic kidney demonstrated at the Postgraduate Medical School of London. *Brit Med J* 54:14:923-6, 10 Oct 64  
Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. Kolff WJ, et al. *Circulation* 30:Suppl 2:23-35, Aug 64  
Malignant hypertension. Harington M. *Practitioner* 193:35-42, Jul 64  
The choice of hypotensive agents. Palmer KN. *Practitioner* 193:43-9, Jul 64

## HYPERTENSION, PORTAL

Actual and predicted-normal red-cell and plasma volumes in primary and secondary polycythaemia. Hume R, et al. *Clin Sci* 26:499-508, Jun 64  
Gastric secretion in experimental liver disease. Baddeley RM, et al. *Surg Forum* 15:114-6, 1964  
[On the ulcer in liver cirrhosis] Schreiber HW, et al. *Deutsch Med Wschr* 89:1787-9, 18 Sep 64 (Ger)

## HYPERTENSION, PULMONARY

Lung function in congenital heart disease. Linde LM, et al. *Dis Chest* 46:46-50, Jul 64  
Severe pulmonary hypertensive episodes following angiocardigraphy with sodium metrizoate. Watson H. *Lancet* 2:732-3, 3 Oct 64  
Pulmonary hypertension following angiocardigraphy with sodium metrizoate. Coleman EN, et al. *Lancet* 2:913-4, 24 Oct 64  
Pulmonary hypertension following angiocardigraphy with sodium metrizoate. De Bono AH. *Lancet* 2:860-1, 17 Oct 64  
Cardiopulmonary manifestations of rheumatoid disease in childhood. Jordan JD. *Southern Med J* 57:1273-7, Nov 64  
Role of oxygen in development of pulmonary hypertension. Liddle HV. *Surg Forum* 15:186-8, 1964

## HYPERTENSION, RENAL

Quantitative assay and disappearance rate of circulating renin. Schaehtelin G, et al. *Amer J Physiol* 208:1361-4, Jun 64  
Failure to demonstrate vasopressor material in salt hypertensive rats. Koletsky S, et al. *Amer J Physiol* 207:152-4, Jul 64  
Bilateral renal artery stenosis with aldosteronism. Blagg CR, et al. *Brit J Radiol* 37:554-7, Jul 64  
Renal ischaemia due to thrombosis of renal artery resulting from metastases from primary carcinoma of the bronchus. Jennings RC, et al. *Brit Med J* 54:16:1053-4, 24 Oct 64  
A case of hypertension with ischaemic kidney demonstrated at the Postgraduate Medical School of London. *Brit Med J* 54:14:923-6, 10 Oct 64  
Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. Kolff WJ, et al. *Circulation* 30:Suppl 2:23-35, Aug 64  
Variation in arterial pressure throughout the day and night. Richardson DW, et al. *Clin Sci* 26:445-60, Jun 64  
Angiotensin skin test and its relation to hypertension in man. Hradcová L, et al. *Helv Paediat Acta* 19:87-98, Jun 64  
Suppression of plasma renin activity in primary aldosteronism. Distinguishing primary from secondary aldosteronism in hypertensive disease. Conn JW, et al. *JAMA* 190:213-21, 19 Sep 64  
The choice of hypotensive agents. Palmer KN. *Practitioner* 193:43-9, Jul 64  
Hypertension and the kidney. Peart WS. *Practitioner* 193:14-26, Jul 64  
Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schencker B. *Radiology* 83:12-21, Jul 64  
Effect of angiotensin on the iodine 131 sodium O-iodohippurate renogram in hypertensive patients. Wax SH, et al. *Surg Forum* 15:498-9, 1964

## HYPERTHYROIDISM

Serum protein turnover in experimental hypo- and hyperthyroidism. Kekki M. *Acta Endocr (Copenhagen)* 46:Suppl 91:1-137, 1964  
Diagnostic value of 131-I in thyroid disorders. A study of 649 patients. Dyrbye MO, et al. *Acta Med Scand* 176:91-101, Jul 64  
Childhood thyrotoxicosis: a long-term perspective. Saxena KM, et al. *Brit Med J* 54:18:1153-8, 7 Nov 64

Thyrotoxicosis in childhood. *Brit Med J* 54:18:1147-8, 7 Nov 64  
Radioactive iodine and surgery of the thyroid. Friedell MT. *J Amer Geriatr Soc* 12:737-48, Aug 64  
The cardiovascular system in thyroid malfunction. Mead J. *J Amer Geriatr Soc* 12:776-86, Aug 64  
The thymus in thyroid disease. Gunn A, et al. *Lancet* 2:776-8, 10 Oct 64  
Carbon-14 studies of energy metabolism in various thyroid states. Gordon ES, et al. *Metabolism* 13:591-608, Jul 64  
Are thyroid hormones diabetogenic? A study of peripheral glucose metabolism during glucose infusions in normal subjects and hyperthyroid patients before and after treatment. Butterfield WJ, et al. *Metabolism* 13:620-8, Jul 64  
Rising incidence of hypothyroidism after radioactive-iodine therapy in thyrotoxicosis. Dunn JT, et al. *New Eng J Med* 271:1037-42, 12 Nov 64  
Protein bound iodine in the thyroid vein of man. Nora PF, et al. *Surg Forum* 15:79-80, 1964  
Influence of thyroxine on the ribosomal synthesis of collagen. Malt RA, et al. *Surg Forum* 15:54-5, 1964  
[Exploration of the hypophyso-thyroid couple by the use of an imidazole derivative. Apropos of 25 personal cases] Bricaire H, et al. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)  
[The Achilles reflexogram in thyroid disorders and in electrolyte metabolism disorders] Kissel P, et al. *Presse Med* 72:2201-4, 19 Sep 64 (Fr)

## HYPERTONIC SOLUTIONS

Effects of infusion of hypertonic mannitol on electrolyte balance and on osmolality of serum and cerebrospinal fluid. Wise BL. *J Neurosurg* 20:981-7, Nov 63

## HYPERTROPHY

Persistent axial or sciatic artery of the lower limb in association with hemihypertrophy. Wright FW. *Clin Radiol* 15:291-2, Jul 64  
Tissue oxygen tension in pedicle flaps, local hypertrophy, and thermal burns. Pollock WJ, et al. *Surg Forum* 15:471-2, 1964

## HYPERVENTILATION

An assessment of the fractional carbon monoxide uptake and its relationship to pulmonary diffusing capacity. Woolf CR. *Dis Chest* 46:181-9, Aug 64  
EEG study of tetany and spasmodophilia. Roth B, et al. *Electroenceph Clin Neurophysiol* 17:36-45, Jul 64  
Effect of alterations in end-tidal CO<sub>2</sub> tension on flow resistance. Newhouse MT, et al. *J Appl Physiol* 19:745-9, Jul 64  
[Mechanical aspects of ventilation in anaphylactic shock in rabbits] Troquet J. *Int Arch Allerg* 24:356-72, 1964 (Fr)

## HYPNOSIS

"Hypnotizability" and suggestibility in chronic schizophrenics. Barber TX, et al. *Arch Gen Psychiat* (Chicago) 11:439-51, Oct 64

## HYPNOTICS AND SEDATIVES

A clinical study of ethchlorvynol in cardiac patients. Blinder S. *Curr Ther Res* 6:373-6, May 64  
Psychosis and convulsions following withdrawal from ethchlorvynol. Blumenthal MD, et al. *JAMA* 190:154-5, 12 Oct 64  
[CB-8089 (benperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagon C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)

## HYPOCALCEMIA

EEG study of tetany and spasmodophilia. Roth B, et al. *Electroenceph Clin Neurophysiol* 17:36-45, Jul 64

## HYPOGLYCEMIA

Alcohol hypoglycemia. Effects of ethanol on plasma. 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? Arky RA, et al. *Arch Intern Med* (Chicago) 114:501-7, Oct 64  
Diabetes and neuropathy. *Brit Med J* 54:14:891-2, 10 Oct 64  
Drug therapy in leucine-sensitive hypoglycemia. Drash A, et al. *Metabolism* 13:487-92, Jun 64  
The response of plasma human growth hormone to insulin and ethanol-induced hypoglycemia in two patients with "isolated adrenocorticotrophic defect". Arky RA, et al. *Metabolism* 13:547-50, Jun 64  
Hypothermia. A clue to hypoglycemia. Kedes LH, et al. *New Eng J Med* 271:785-7, 8 Oct 64  
Insulinoma with symptoms for thirty years. Black KO, et al. *Proc Roy Soc Med* 57:675-8, Aug 64  
Gastric secretory response to insulin hypoglycemia. Davis RA, et al. *Surg Forum* 15:312-3, 1964

Hypoglycaemic coma and hyperkalaemic acidosis due to alcohol intoxication. Vinke B. *Trop Geogr Med* 16:115-9, Jun 64

## HYPOKALEMIA

The relation between hypopotassemia and alkalosis during administration of polythiazide and chlorthalidone. Rooth G, et al. *Acta Med Scand* 176:51-7, Jul 64  
Geophagia with iron deficiency and hypokalemia. Cachexia africana. Mengel CE, et al. *Arch Intern Med* (Chicago) 114:470-4, Oct 64  
A new effective diuretic-Lasix. Stokes W. *Brit Med J* 54:14:910-4, 10 Oct 64  
Pancreatic adenoma with intractable diarrhea, hypokalemia, and hypercalcemia. Brown CH, et al. *JAMA* 190:30-4, 5 Oct 64  
Hypokalemic paralysis induced by amphotericin B. McChesney JA, et al. *JAMA* 189:1029-31, 28 Sep 64  
Hypokalemic nephropathy of vomiting. Galloway NC, et al. *Southern Med J* 57:1303-8, Nov 64  
[Diabetes mellitus with normal blood sugar, hypokalaemia and low serum cholesterol] S Afr Med J 38:700-4, 29 Aug 64 (Af)

## HYPONATREMIA

Inappropriate secretion of vasopressin. Lee J, et al. *Lancet* 2:792-3, 10 Oct 64  
Isolated aldosteronism. I. Clinical entity, with manifestations of persistent hypokalemia, periodic paralysis, salt-losing tendency, and acidosis. Posner JB, et al. *Metabolism* 13:513-21, Jun 64

## HYPOPARATHYROIDISM

Parathyroid hormone and phosphate homeostasis in man. Halden A, et al. *Acta Endocr (Copenhagen)* 46:285-91, Jun 64  
Hypoparathyroidism and pernicious anaemia. Ikkala E, et al. *Acta Med Scand* 176:73-7, Jul 64  
EEG study of tetany and spasmodophilia. Roth B, et al. *Electroenceph Clin Neurophysiol* 17:36-45, Jul 64  
Effects of catecholamines on urinary calcium and phosphorus in intact and parathyroidectomized rats. Morey ER, et al. *Endocrinology* 75:78-85, Jul 64  
Effect of pregnancy and of the menstrual cycle on hypoparathyroidism. Graham WP 3d, et al. *J Clin Endocr* 24:512-6, Jun 64

## HYPOPHOSPHATEMIA, FAMILIAL

A guide to the adequacy of therapy in resistant rickets due to familial or essential hypophosphatemia. Stearns G. *J Bone Joint Surg [Amer]* 46:959-64, Jul 64  
Vitamin-D resistant rickets. A long-term clinical study of 11 patients. Tapia J, et al. *J Bone Joint Surg [Amer]* 46:935-58, Jul 64

## HYPOPHYSECTOMY

Influence of anterior pituitary on avoidance learning and escape behavior. De Wied D. *Amer J Physiol* 207:255-9, Jul 64  
Differential 17-oxosteroid excretion in women with cancer of the breast following hypophysectomy. Khattab AA, et al. *Brit J Cancer* 18:342-53, Jun 64  
Action of insulin upon blood glucose levels of fasted hypophysectomized, depancreatized and normal chickens. Koike TI, et al. *Endocrinology* 74:944-8, Jun 64  
Nutritional state and the effect of acute water loading in the hypophysectomized rat. Bauman JW Jr. *Endocrinology* 74:1001-3, Jun 64  
Effects of hypophysectomy and diet on lipogenesis in adipose tissue. Goodman HM. *Endocrinology* 75:140-2, Jul 64  
Survival of endogenous human growth hormone in plasma. Glick SM, et al. *J Clin Endocr* 24:501-5, Jun 64  
Trans-septal extranasal approach to the pituitary. Thomas KE. *Lancet* 2:735, 3 Oct 64  
Androgens in human breast cancer. Bulbrook RD, et al. *Proc Roy Soc Med* 57:523-5, Jun 64  
Effect of brain removal in dogs previously subjected to pituitary stalk section. Wise BL, et al. *Proc Soc Exp Biol Med* 116:306-10, Jun 64  
[Pregnancy after hypophysectomy and treatment with human pituitary gonadotropin] Bettendorf G, et al. *Deutsch Med Wschr* 89:1952-7, 9 Oct 64 (Ger)

## HYPOPITUITARISM

Bilateral carotico-cavernous fistulae. Hypopituitarism from bilateral carotid ligation for surgical cure. Jamieson KG. *Aust New Zeal J Surg* 34:1-10, Aug 64  
Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. Nath K, et al. *Brit J Ophthalmol* 48:162-4, Mar 64  
Cushing's syndrome with "normal" replacement dose of cortisone in pituitary hypothyroidism. Parfitt AM. *J Clin Endocr* 24:560-2, Jun 64  
The Chiari-Frommel syndrome. An experiment of



nature. Chard T.  
*J Obstet Gynaec Brit Comm* 71:824-8, Aug 64  
Carbon-14 studies of energy metabolism in various thyroid states. Gordon ES, et al.  
*Metabolism* 13:591-608, Jul 64  
[Exploration of the hypophyso-thyroid couple by the use of an imidazole derivative. Apropos of 25 personal cases] Bricaire H, et al.  
*Presse Med* 72:2505-10, 17 Oct 64 (Fr)

HYPOPROCONVERTINEMIA

Massive hemorrhage--scalps of newborn infants.  
Kozinn PJ, et al. *Amer J Dis Child* 108:413-7, Oct 64

HYPOPROTEINEMIA

Albumin metabolism in cystic fibrosis. Pittman FE, et al.  
*Amer J Dis Child* 108:360-5, Oct 64

HYPOPROTHROMBINEMIAS

Massive hemorrhage--scalps of newborn infants.  
Kozinn PJ, et al. *Amer J Dis Child* 108:413-7, Oct 64  
Subcapsular hemorrhage of the liver in the newborn. An inquiry into its causes. Charif P.  
*Clin Pediat (Phila)* 3:428-31, Jul 64

HYPOTENSION

Hypotension and coronary disease. Osborn GR.  
*Amer Heart J* 68:135-7, Jul 64  
Cardiac and peripheral failure in hemorrhagic shock in the dog. Rothe CF, et al.  
*Amer J Physiol* 207:203-14, Jul 64  
5-Hydroxytryptamine (serotonin) in acute hypotensive shock. Swank RL, et al.  
*Amer J Physiol* 207:215-22, Jul 64  
Vascular manifestations of extensive thermal skin injury in rat mesentery. Horn L, et al.  
*Amer J Physiol* 207:137-43, Jul 64  
Systemic hypotension by polybasic polymers. Lyons GW, et al. *Surg Forum* 15:95-7, 1964  
Mechanisms of adrenal cortical activation by hypotension. Gann DS, et al. *Surg Forum* 15:8-10, 1964  
Hypotension: determinant in spontaneous control of arterial hemorrhage. Chiu CJ, et al.  
*Surg Forum* 15:3-4, 1964

HYPOTENSION, CONTROLLED

Assessment of cerebral effects of deliberate hypotension by psychological measurements.  
Eckenhoff JE, et al. *Lancet* 2:711-4, 3 Oct 64

HYPOTENSION, ORTHOSTATIC

Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI.  
*JAMA* 190:456-62, 2 Nov 64  
Inferior vena cava caval occlusion in late pregnancy. Scott DB. *Proc Roy Soc Med* 57:705, Aug 64  
Phaeochromocytoma presenting as postural hypotension. Parkinson T.  
*Proc Roy Soc Med* 57:673-4, Aug 64

HYPOTHALAMO-HYPOPHYSEAL SYSTEM

Pathways by which traumatic stress and ether induce increased ACTH released in the rat. Matsuda K, et al.  
*Endocrinology* 74:981-5, Jun 64  
Restoration of the ability of rat pituitary homotransplants to secrete ACTH if placed under the hypothalamic median eminence. Matsuda K, et al.  
*Endocrinology* 74:939-43, Jun 64  
Observations concerning the hypothalamic control of pituitary luteotrophin secretion in the rat. Flament-Durand J, et al. *Endocrinology* 75:22-6, Jul 64  
Distribution of hypophyseal portal blood in the anterior lobe of the pituitary gland. Adams JH, et al.  
*Endocrinology* 75:120-6, Jul 64  
ACTH release in vivo and in vitro: extrapituitary mediation during *Esch. coli* bacteremia. Ando S, et al.  
*Endocrinology* 74:894-901, Jun 64

HYPOTHALAMUS

Dose response to carbachol and norepinephrine in rat hypothalamus. Miller NE, et al.  
*Amer J Physiol* 206:1384-8, Jun 64  
Behavioral thermoregulation in response to local cooling of the rat brain. Satinoff E.  
*Amer J Physiol* 206:1389-94, Jun 64  
Neurohumors in hypothalamic substrates of reward. Olds J, et al. *Amer J Physiol* 207:242-54, Jul 64  
A proposed differentiated neuro-effector organization in muscle resistance vessels. Folkow B, et al. *Angiologica (Basel)* 1:197-208, 1964  
Effect of brain removal in dogs previously subjected to pituitary stalk section. Wise BL, et al.  
*Proc Soc Exp Biol Med* 116:306-10, Jun 64

HYPOTHERMIA

Electrocardiographic changes in accidental hypothermia. Ree MJ. *Brit Heart J* 26:566-71, Jul 64  
Hypothermia. A clue to hypoglycemia. Kedes LH, et al.  
*New Eng J Med* 271:785-7, 8 Oct 64

HYPOTHERMIA, INDUCED

Effect of hypothermia on excitation and propagation in the isolated atrium. Torres JC, et al.  
*Amer J Physiol* 207:199-202, Jul 64  
Behavioral thermoregulation in response to local cooling of the rat brain. Satinoff E.  
*Amer J Physiol* 206:1389-94, Jun 64  
Differential effects of heat on splenic and renal vascular beds. Gillenwater JY, et al.  
*Amer J Physiol* 207:133-6, Jul 64  
Tissue glycogen fractions of the hypothermic rat, hamster, and turtle. Platner WS, et al.  
*Amer J Physiol* 207:42-6, Jul 64  
Intravascular hemolysis following urea administration during hypothermia. Ravin MB, et al.  
*Anesthesiology* 25:576-80, Jul-Aug 64  
Electroretinogram and cortical evoked potentials under hypothermia. Wolin LR, et al.  
*Arch Ophthal (Chicago)* 72:521-4, Oct 64  
Tolerance of dogs to deep hypothermia. Controlled and maintained with a pump oxygenator. Lesage MA, et al. *Arch Surg (Chicago)* 89:677-84, Oct 64  
Hypothermia in bacteremic shock. Blair E, et al. *Arch Surg (Chicago)* 89:619-29, Oct 64  
Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. Huggins CE, et al.  
*Dis Chest* 46:42-5, Jul 64  
Effect of deep hypothermia on the electrical activity of the brain. Lipp JA.  
*Electroenceph Clin Neurophysiol* 17:46-51, Jul 64  
Morphological and chemical studies in cerebral edema. I. Cold induced edema. Bakay L, et al.  
*J Neuropath Exp Neurol* 23:393-418, Jul 64  
The use of extracorporeal circulation and profound hypothermia in the treatment of ruptured intracranial aneurysm. Drake CG, et al.  
*J Neurosurg* 21:575-81, Jul 64  
Monoventricular hypothermic perfusion. Cortical electric responses to anesthetic agents. Costal M, et al.  
*J Neurosurg* 20:675-8, Aug 63  
Cerebral deposition of drugs at low temperatures. Baldwin M, et al. *J Neurosurg* 20:637-46, Aug 63  
Experimental production of cerebral hypothermia by ventricular perfusion techniques. Costal M, et al.  
*J Neurosurg* 20:112-7, Feb 63  
The effect of hyperbaric oxygen on experimental cerebral infarction in the dog. With preliminary correlations of cerebral blood flow at 2 atmospheres of oxygen. Jacobson I, et al.  
*J Neurosurg* 20:849-59, Oct 63  
Occlusion of the blood supply to the brain of the goat: protective effect of deep hypothermia. Smith MC, et al.  
*J Neurosurg* 20:46-59, Jan 63  
Extravascular local cooling of the brain in man. Ommaya AK, et al. *J Neurosurg* 20:8-20, Jan 63  
Intracranial surgery for aneurysm: effect of hypothermia upon survival. Hamby WB.  
*J Neurosurg* 20:41-5, Jan 63  
Influence of hypothermia and anoxia upon the biochemistry of heart muscle. Passanti GT, et al.  
*Surg Forum* 15:210-2, 1964  
Hypothermic reduction of ammonia release into the circulation by the kidney. Keirle AM, et al.  
*Surg Forum* 15:102-3, 1964  
Lymphatic cineradiography. Rubeiz MT, et al.  
*Surg Forum* 15:461-3, 1964  
Oxygen consumption during total perfusion with diluted blood at normal and hypothermic temperatures. Ikeda S, et al.  
*Surg Forum* 15:212-3, 1964  
Profound selective cerebral hypothermia in dogs by naso-oral perfusion and head immersion. Brown HW, et al. *Surg Forum* 15:413-5, 1964  
Prolonged circulatory arrest with preferential cerebral hypothermia and resuscitation by external cardiac massage. Wolfson SK Jr, et al.  
*Surg Forum* 15:415-7, 1964  
Correlation of edema formation, hemoconcentration, and mortality in experimental burns treated with hypothermia. Manson AD, et al.  
*Surg Forum* 15:469-71, 1964

HYPOTHYROIDISM

Diagnostic value of 131-I in thyroid disorders. A study of 649 patients. Dyrbye MO, et al.  
*Acta Med Scand* 176:91-101, Jul 64  
Fatty acid composition of adipose tissue in normal and abnormal subjects. Herrernan AG.  
*Amer J Clin Nutr* 15:5-10, Jul 64  
The effect of hypothyroidism on the larynx of the rat. An explanation for hoarseness associated with hypothyroidism in the human. Ritter FN.  
*Ann Otol* 73:464-16, Jun 64

Electrocardiographic changes in hypothyroidism. Adams CW. *Dis Chest* 46:87-8, Jul 64  
Influence of hypothyroidism and chorionic gonadotrophin on ovarian collagen in the rat. Adams WC, et al. *Endocrinology* 75:138-9, Jul 64  
The cardiovascular system in thyroid malfunction. Mead J. *J Amer Geriatr Soc* 12:776-86, Aug 64  
Cushing's syndrome with "normal" replacement dose of cortisone in pituitary hypothyroidism. Parfitt AM. *J Clin Endocr* 24:560-2, Jun 64  
Carbon-14 studies of energy metabolism in various thyroid states. Gordon ES, et al.  
*Metabolism* 13:591-608, Jul 64  
Rising incidence of hypothyroidism after radioactive-iodine therapy in thyrotoxicosis. Dunn JT, et al. *New Eng J Med* 271:1037-42, 12 Nov 64  
Influence of thyroxine on the ribosomal synthesis of collagen. Malt RA, et al. *Surg Forum* 15:54-5, 1964  
[The Achilles reflexogram in thyroid disorders and in electrolyte metabolism disorders] Kissel P, et al.  
*Presse Med* 72:2201-4, 19 Sep 64 (Fr)

HYSTERECTOMY

Postoperative vaginal-vault disruption. Report of a case. Ranney B. *Obstet Gynec* 23:793-4, May 64  
The treatment of carcinoma of the body of the uterus. *Proc Roy Soc Med* 57:467-78, Jun 64  
Uterine reimplantation in dogs. Hamernik RJ, et al. *Surg Forum* 15:383-5, 1964  
[Contribution to the statistics of lipoma of the uterus] Conill Serra V, et al. *J Int Coll Surg* 42:438-43, Oct 64 (Sp)

IATROGENIC DISEASE

Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. Williams KR, et al. *Arch Surg (Chicago)* 89:663-5, Oct 64  
A case of mercury poisoning following the use of perchloride of mercury. Royle JP.  
*Aust New Zeal J Surg* 34:71-2, Aug 64  
Percutaneous cannulation of the carotid artery. Sheldon P. *Brit J Radiol* 37:526-30, Jul 64

ICSH

Immunochemical and biological similarity between human luteinizing hormone and one of the antigenic components of human chorionic gonadotrophin. Shahani SK, et al.  
*Acta Endocr (Copenhagen)* 46:317-30, Jun 64  
Some aspects of steroid biosynthesis in human ovarian tissue. Forleo R, et al.  
*Acta Endocr (Copenhagen)* 46:265-78, Jun 64  
Differential action of small doses of estradiol on gonadotrophins in the rat. Parlow AF.  
*Endocrinology* 75:1-8, Jul 64  
Pituitary gonadotrophin and dizygotic twinning. Crooke AC. *Lancet* 2:695-6, 20 Sep 64

IDOXURIDINE

Tracer studies on a transplantable hamster melanoma. Potts AM. *Arch Ophthal (Chicago)* 72:359-64, Sep 64  
Varicella of the cornea treated with 5-iodo-2'-deoxyuridine. Cairns JE.  
*Brit J Ophthal* 48:288-9, May 64  
A comparison of IDU solution, IDU ointment, and carbolic acid in the treatment of dendritic corneal ulcer. Mackenzie AD. *Brit J Ophthal* 48:274-6, May 64  
Treatment of herpes simplex keratitis with 5-iodo-2'-deoxyuridine. Luntz MH, et al.  
*Brit J Ophthal* 47:449-56, Aug 63  
Attempted treatment of trachoma with idoxuridine. Sowa S, et al. *Brit Med J* 5415:989, 17 Oct 64  
Treatment of herpes simplex lesions of the face with idoxuridine: results of a double-blind controlled trial. Juel-Jensen BE, et al. *Brit Med J* 5415:987-8, 17 Oct 64  
Treatment of recurrent herpes. *Brit Med J* 5417:1134, 31 Oct 64  
Evaluation of idoxuridine (IDU) (Dendrid, Herplex, Stoxil). *JAMA* 190:535-6, 9 Nov 64  
Effect of 5-iodo-2'-deoxyuridine on multiplication of Rous sarcoma virus in vitro. Force EE, et al.  
*Proc Soc Exp Biol Med* 116:803-6, Jul 64

ILEOSTOMY

'Orabase' in the management of abdominal-wall digestion by ileostomy and fistulas. Circus W.  
*Lancet* 2:762, 3 Oct 64

ILEUM

Origin of intestinal atresia of newborn. Dickinson SJ. *JAMA* 190:119-21, 12 Oct 64  
Ileal bypass in lowering high cholesterol levels. Buchwald H, et al. *Surg Forum* 15:289-91, 1964  
Simplified technique of ileocolostomy. Shrum RC, et al. *Surg Forum* 15:299-301, 1964



## ILIAC ARTERY

- Aneurysm of a persistent primitive sciatic artery. Joffe N. *Clin Radiol* 15:286-90, Jul 64
- Persistent axial or sciatic artery of the lower limb in association with hemihypertrophy. Wright FW. *Clin Radiol* 15:291-2, Jul 64
- Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. Harrison TS, et al. *New Eng J Med* 271:985-9, 5 Nov 64
- Peripheral angiography: a clinical evaluation. Rose S. *Vasc Dis* 1:64-76, Jan 64
- A congenital anomaly of the aorto-iliac bifurcation. Haeflén FF van. *Vasc Dis* 1:109-12, Mar 64
- Arteriovenous fistula between the common iliac artery and vein. Areskog NH, et al. *Vasc Dis* 1:113-8, Mar 64

## ILIAC VEIN

- Effect of venous stasis on long bone growth in the dog. Keck SW, et al. *Surg Forum* 15:443-4, 1964
- Massive venous occlusion of the lower extremity. Vasko JS, et al. *Surg Forum* 15:233-5, 1964
- Arteriovenous fistula between the common iliac artery and vein. Areskog NH, et al. *Vasc Dis* 1:113-8, Mar 64

## ILIUM

- Coexisting hyperparathyroidism and Paget's disease. Martin MM, et al. *Arch Intern Med* (Chicago) 114:482-6, Oct 64

## ILLEGITIMACY

- Adoptions. Ross RA. *New Eng J Med* 271:784-5, 8 Oct 64

## IMIDAZOLES

- The metabolism of histidine. VI. Histidinemia and imidazolepyruvic aciduria. Baldrige RC, et al. *J Biol Chem* 239:1557-9, May 64
- [Exploration of the hypophyso-thyroid couple by the use of an imidazole derivative. Apropos of 25 personal cases] Bricaire H, et al. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)

## IMIDES

- The characterization of modified human hemoglobin. I. Reaction with iodoacetamide and N-ethylmaleimide. Guidotti G, et al. *J Biol Chem* 239:1474-84, May 64

## IMIPRAMINE

- An evaluation of imipramine in enuresis. Treffert DA. *Amer J Psychiat* 121:178-9, Aug 64
- Fatal hyperpyrexia with phenelzine and imipramine. Stanley B, et al. *Brit Med J* 5415:1011, 17 Oct 64
- A study of the mechanisms of the modifying actions of cocaine, ephedrine and imipramine on the cardiovascular response to norepinephrine and epinephrine. Eble JN. *J Pharmacol Exp Ther* 144:76-82, Apr 64
- Specific value of drugs in psychiatric illness. Ostow M. *JAMA* 190:557-8, 9 Nov 64
- Therapeutic efficacy of antidepressant drugs. A review. Cole JO. *JAMA* 190:448-55, 2 Nov 64
- Toxicity of psychotropic drugs. Side-effects and toxic effects of antidepressants. Pare CM. *Proc Roy Soc Med* 57:757-8, Aug 64

## IMMUNE SERUM GLOBULIN

- Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. Benson PF, et al. *Brit Med J* 5413:851-3, 3 Oct 64
- Prophylactic gamma globulin and live measles vaccine in an island of measles. Brody JA, et al. *Lancet* 2:811-3, 10 Oct 64

## IMMUNE SERUMS

- Modification of cell antigens during aminoazo dye carcinogenesis in rat liver. Baldwin RW. *Brit J Cancer* 18:285-98, Jun 64
- Multiple vaccinia of the eyelids. Ogg AJ. *Brit J Ophthalmol* 47:123-5, Feb 63
- Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. Sonneborn DR, et al. *J Bact* 87:1321-9, Jun 64
- Characterization by immunofluorescence of an ACTH-like substance in nonpituitary tumors from patients with hyperadrenocorticism. Jarett L, et al. *J Clin Endocr* 24:543-9, Jun 64
- The sedimentation properties of the skin-sensitizing antibodies of ragweed-sensitive patients. Andersen BR, et al. *J Exp Med* 120:31-43, 1 Jul 64
- The passive transfer of acquired resistance to *Listeria monocytogenes*. Miki K, et al. *J Exp Med* 120:93-103, 1 Jul 64
- Immunological removal of circulating I-131-labeled rabbit antibody to rat fibrinogen in normal and

- tumor-bearing rats. Spar IL, et al. *J Nucl Med* 5:428-43, Jun 64
- Antigenic characteristics of spermatozoa from bulls, rams and boars. II. Sperm agglutinins in normal and immune sera. Matousek J. *J Reprod Fertil* 8:5-11, Aug 64
- Immunologic inhibition of endogenous or exogenous thyrotropin in various species. Garcia AM, et al. *Proc Soc Exp Biol Med* 116:467-71, Jun 64
- Cutaneous anaphylactic reactions with antibodies of different qualities. Cochrane CG. *Proc Soc Exp Biol Med* 116:475-80, Jun 64
- Antibody response in certain domestic animals to influenza viruses. Bucca MA, et al. *Proc Soc Exp Biol Med* 116:493-5, Jun 64
- The nature of late reactions following intradermal injection of heterologous anti-tissue sera. Krakower CA, et al. *Proc Soc Exp Biol Med* 116:301-6, Jun 64
- Action of isoimmune serum on peritoneal cells in vitro. Bennett B, et al. *Proc Soc Exp Biol Med* 116:404-9, Jun 64
- Heterologous mouse anti-lymphocyte serum to prolong skin homografts. Gray JG, et al. *Surg Forum* 15:142-4, 1964

## IMMUNITY

- Attempts at growth of *Mycobacterium leprae* in footpads of mice and guinea-pigs. Kirchheimer WF. *Int J Leprosy* 32:9-17, Jan-Mar 64
- Resistance of antihistamine-treated guinea-pigs against infection with *Mycobacterium leprae* and *M. lepraemurium*. Kirchheimer WF. *Int J Leprosy* 32:1-8, Jan-Mar 64
- Comparative immunology. Lymph nodes in the amphibian, *Bufo marinus*. Kent SP, et al. *Proc Soc Exp Biol Med* 116:456-9, Jun 64
- Inheritance of resistance to influenza virus in mice. Lindenmann J. *Proc Soc Exp Biol Med* 116:506-9, Jun 64
- Poliomyelitis in Surinam. Report on a type-1 outbreak in 1963 and its control by trivalent oral polio virus vaccine. Wilterdink JB, et al. *Trop Geogr Med* 16:120-8, Jun 64
- [The relay system in the defense mechanism of the skin] Schnitzer A. *Int Arch Allerg* 24:Suppl:1-8, 1964 (Ger)

## IMMUNIZATION

- Immunizations. Some practical considerations. Wolman IJ. *Clin Pediat (Phila)* 3:383-4, Jul 64
- In vitro studies on the fate of antigen. 3. The in vitro fate of I-131-HSA in the presence of cells and cell extracts from normal, immune, and tolerant rabbits. Rhodes JM, et al. *Int Arch Allerg* 24:342-55, 1964
- Adjuvants and aspermatogenesis in the guinea pig. Katsh S. *Int Arch Allerg* 24:319-31, 1964
- Some aspects of the antibody response of rabbits to immunization with enterobacterial somatic antigens. Weidanz WP, et al. *Proc Soc Exp Biol Med* 116:832-7, Jul 64
- In vitro cytotoxicity in delayed-type hypersensitivity and immunologic tolerance. Lubaroff DM, et al. *Proc Soc Exp Biol Med* 116:823-7, Jul 64
- Immunogenicity of cell free extracts of neoplastic tissue. Pilch YH. *Surg Forum* 15:348-50, 1964

## IMMUNOELECTROPHORESIS

- [Immunological studies with natural and synthetic ACTH in subjects allergic to ACTH] Schwarz-Speck M, et al. *Int Arch Allerg* 24:Suppl:29-47, 1964 (Ger)

## IMMUNOLOGY

- Immunology is pathology. Dixon FJ. *Lab Invest* 13:610-2, Jun 64

## INDIANS, NORTH AMERICAN

- Annual patterns of family and children's diet in three Guatemalan Indian communities. Flores M, et al. *Brit J Nutr* 18:281-93, 1964

## INDICAN

- Colonic absorption of tryptophan metabolites in man. Fordtran JS, et al. *J Lab Clin Med* 64:125-32, Jul 64

## INDICATORS AND REAGENTS

- A rapid method for cholesterol determination with a single reagent. Zurkowski P. *Clin Chem* 10:451-3, May 64
- Present status of the ehrlich Aldehyde reaction for urinary porphobilinogen. Watson CJ, et al. *JAMA* 190:501-4, 9 Nov 64
- A rapid enzyme-strip method for estimating blood-sugar. Rennie ID, et al. *Lancet* 2:884-6, 24 Oct 64
- Abedside method of blood-glucose estimation. Cohen SL, et al. *Lancet* 2:883-4, 24 Oct 64

## INDOLACETIC ACID

- False positive reaction due to methocarbamol in the screening test for vanilmandelic acid (VMA). Campbell DJ, et al. *Clin Chem* 10:447-50, May 64
- Colonic absorption of tryptophan metabolites in man. Fordtran JS, et al. *J Lab Clin Med* 64:125-32, Jul 64

## INDOLES

- Suppression of corticosteroid production in the dog by monase. Tullner WW, et al. *Proc Soc Exp Biol Med* 116:837-40, Jul 64

## INDUSTRIAL MEDICINE

- Industry and environmental health. Zapp JA Jr. *Arch Environ Health* (Chicago) 9:683-7, Nov 64
- Health program for radiation workers. Norwood WD. *Arch Environ Health* (Chicago) 9:529-35, Oct 64
- The professor and the jakes cleanser. (Ramazzini B), et al. *Arch Ophthalmol* (Chicago) 72:441-3, Sep 64
- Early recognition of problem behavior in industry. Himler LE. *Industr Med Surg* 33:564-5, Aug 64
- A modern medical program for the small plant. Its contribution to safety. Sutter RA. *Industr Med Surg* 33:560-3, Aug 64
- Management of critical and chronic hypertension. Mozan AA, et al. *Industr Med Surg* 33:556-9, Aug 64
- Opportunities in environmental and occupational pathology. Kotin P. *Lab Invest* 13:619-23, Jun 64

## INFANT CARE

- Effects of early discharge after hospital confinement. McEwan ED. *Lancet* 2:744-5, 3 Oct 64

## INFANT MORTALITY

- Causes of perinatal death in Uganda Africans, with special reference to congenital malformations. Dodge OG, et al. *J Pediat* 65:267-9, Aug 64
- Perinatal mortality in twin pregnancy. Klein J. *Obstet Gynec* 23:738-44, May 64
- [Acute hyperpyretic toxicosis in the older infant. A contribution to the problem of sudden death in childhood] Riegel K, et al. *Deutsch Med Wschr* 89:1821-8, 25 Sep 64 (Ger)
- [The treatment of hypertrophic pyloric stenosis in infants] Volk H, et al. *Deutsch Med Wschr* 89:1754-7, 11 Sep 64 (Ger)

## INFANT, NEWBORN

- Adaptation of the infant pulmonator. Shnider SM, et al. *Anesthesiology* 25:574-5, Jul-Aug 64
- Congenital biliary atresia. Barclay S. *Aust New Zeal J Surg* 34:24-6, Aug 64
- Cortical evoked responses to visual stimulation in full-term and premature newborns. Hrbek A, et al. *Electroenceph Clin Neurophysiol* 16:575-81, Jun 64
- Fibrinolytic activity of human tissues from adult and infant cadavers. Sandberg H, et al. *J Lab Clin Med* 64:99-106, Jul 64
- Buccal smears in the newborn female. Frasier SD, et al. *J Pediat* 65:222-5, Aug 64
- Nitrogen excretion by newborn infants during oxygen breathing. Nelson NM, et al. *J Pediat* 65:299-300, Aug 64
- The response of premature infants to infection with type 3 attenuated poliovirus. Pagano JS, et al. *J Pediat* 65:165-75, Aug 64
- [Apropos of the procedure to follow in the case of newborn infants of diabetic mothers] Thoyer-Rozat J, et al. *Presse Med* 72:2541-2, 17 Oct 64 (Fr)
- [Staphylococci in the newborn nursery] Kienitz M, et al. *Deutsch Med Wschr* 89:1744-51, 11 Sep 64 (Ger)

## INFANT, NEWBORN, DISEASES

- Massive hemorrhage-scalps of newborn infants. Kozinn PJ, et al. *Amer J Dis Child* 108:413-7, Oct 64
- Renal vein thrombosis in infancy. Recovery without nephrectomy. Stark H. *Amer J Dis Child* 108:430-5, Oct 64
- Disseminated hemangiomatosis. The newborn with central nervous system involvement. Burke EC, et al. *Amer J Dis Child* 108:418-24, Oct 64
- Management of complicated meconium ileus. Hill JT, et al. *Amer J Surg* 108:233-8, Aug 64
- Intracranial teratoma replacing brain. Report of a case. Oberman B. *Arch Neurol* (Chicago) 11:423-6, Oct 64
- Retinal dysplasia. Ricks RM, et al. *Arch Ophthalmol* (Chicago) 72:637-41, Nov 64
- Herpes simplex retinopathy in an infant. Cogan DG, et al. *Arch Ophthalmol* (Chicago) 72:641-5, Nov 64
- Neuroblastoma of nodose ganglion of infant vagus nerve. Rosedale RS. *Arch Otolaryng* (Chicago) 80:454-9, Oct 64
- Ocular defects in thalidomide babies. Cullen JF. *Brit J Ophthalmol* 48:151-3, Mar 64
- Pathological findings in a case of primary congenital glaucoma compared with normal infant eyes. Speakman JS, et al. *Brit J Ophthalmol* 48:196-204, Apr 64



An unusual case of bilateral hydrocele in an infant. Martin DC, et al. *Brit J Urol* 38:261-3, Jun 64

Neonatal diabetes mellitus. Kasl AM. *Brit Med J* 5417:1137, 31 Oct 64

Subcapsular hemorrhage of the liver in the newborn. An inquiry into its causes. Charif P. *Clin Pediat (Phila)* 3:428-31, Jul 64

The risk of mental subnormality and cerebral palsy. Illingworth RS. *Clin Pediat (Phila)* 3:439-42, Jul 64

Nonspecific pseudohermaphroditism : report of two cases with cytogenetic investigations. Ferrier P, et al. *Helv Paediat Acta* 19:1-12, Jun 64

Kernicterus in the Chinese newborn. A morphological and spectrophotometric study. Chen HC. *J Neuropath Exp Neurol* 23:527-49, Jul 64

Intrasplenic enterogenous cyst. Scoville WB, et al. *J Neurosurg* 20:704-6, Aug 63

Methicillin spray and staphylococcal carriage in a neonatal unit. Jacobs J, et al. *J Obstet Gynaec Brit Comm* 71:543-55, Aug 64

Neonatal tetany secondary to maternal hyperparathyroidism. Mizrahi A, et al. *JAMA* 190:155-6, 12 Oct 64

Origin of intestinal atresia of newborn. Dickinson SJ. *JAMA* 190:119-21, 12 Oct 64

Improved conservative treatment of exomphalos. Dorogi J. *Lancet* 2:888-9, 24 Oct 64

Hearing loss in infants of tuberculous mothers treated with streptomycin during pregnancy. Robinson GC, et al. *New Eng J Med* 271:949-51, 29 Oct 64

Tracheal and esophageal obstructions in infants. Ochsner JL, et al. *Southern Med J* 57:1333-9, Nov 64

[Idiopathic hyperglycinemia (glycinosis)] Schreier K, et al. *Deutsch Med Wschr* 89:1739-43, 11 Sep 64 (Ger)

[Staphylococci in the newborn nursery] Klenitz M, et al. *Deutsch Med Wschr* 89:1744-51, 11 Sep 64 (Ger)

[Acute hemolytic anemia due to naphthalene inhalation in 2 premature infants and 1 full-term infant] Irle U. *Deutsch Med Wschr* 89:1798-800, 18 Sep 64 (Ger)

[Life-threatening naphthalene poisoning in an infant due to Vaporin vapors] Hanssler H. *Deutsch Med Wschr* 89:1794-7, 18 Sep 64 (Ger)

[The Durand-Zunin syndrome. Report of a pertinent observation ] Simon C, et al. *Helv Paediat Acta* 19:78-86, Jun 64 (Ger)

INFANT NUTRITION

Influence of diet on blood serum lipids in pregnant women and newborn infants. Hansen AE, et al. *Amer J Clin Nutr* 15:11-9, Jul 64

Babies' intake of strontium. Widdowson EM, et al. *Lancet* 2:753-4, 3 Oct 64

INFANT NUTRITION DISORDERS

Notes on ecologic malnutrition in the New Guinea Highlands. Jelliffe DB, et al. *Clin Pediat (Phila)* 3:432-8, Jul 64

[Acute hyperpyretic toxicosis in the older infant. A contribution to the problem of sudden death in childhood] Riegel K, et al. *Deutsch Med Wschr* 89:1821-8, 25 Sep 64 (Ger)

[On the morphology of acute hyperpyretic toxicosis in the older infant] Müller G. *Deutsch Med Wschr* 89:1828-31, 25 Sep 64 (Ger)

INFANT, PREMATURE

Tissue copper proteins in Wilson's disease. Intracellular distribution and chromatographic fractionation. Porter H. *Arch Neurol (Chicago)* 11:341-9, Oct 64

Cortical evoked responses to visual stimulation in full-term and premature newborns. Hrbek A, et al. *Electroenceph Clin Neurophysiol* 18:575-81, Jun 64

A respiratory alarm for infants. Lipton EL, et al. *J Pediat* 65:294-6, Aug 64

The response of premature infants to infection with type 3 attenuated poliovirus. Pagano JS, et al. *J Pediat* 65:165-75, Aug 64

The incompetent cervix: a survey of survivors. Goldstein PJ, et al. *Obstet Gynec* 23:752-6, May 64

Obstetrics in adolescents: a controlled study of deliveries by mothers 15 years of age and under. Hulka JF, et al. *Obstet Gynec* 23:878-85, May 64

The ductus venosus of the human liver. Smith B, et al. *Surg Forum* 15:394-6, 1964

INFANT, PREMATURE, DISEASES

Hyaloid remnants in the eyes of premature babies. Jones HE. *Brit J Ophthal* 47:39-44, Jan 63

The risk of mental subnormality and cerebral palsy. Illingworth RS. *Clin Pediat (Phila)* 3:439-42, Jul 64

Nonspecific pseudohermaphroditism : report of two cases with cytogenetic investigations. Ferrier P, et al. *Helv Paediat Acta* 19:1-12, Jun 64

Failure of erythromycin estolate therapy in utero syphilis. South MA, et al. *JAMA* 190:70-1, 5 Oct 64

Nitrofurantoin and megaloblastic anaemia. De Veber LL, et al. *Lancet* 2:697-8, 20 Sep 64

[Apropos of the procedure to follow in the case of

newborn infants of diabetic mothers] Thoyer-Rozat J, et al. *Presse Med* 72:2541-2, 17 Oct 64 (Fr)

[Acute hemolytic anemia due to naphthalene inhalation in 2 premature infants and 1 full-term infant] Irle U. *Deutsch Med Wschr* 89:1798-800, 18 Sep 64 (Ger)

INFARCTION

Intentional embolism in selective renal arteriography. An experimental study in dogs. Edling NP, et al. *Acta Radiol [Diagn] (Stockholm)* 2:318-20, Jul 64

Embolic complications of cardiomyopathy. Cosnett JE, et al. *Brit Heart J* 26:544-8, Jul 64

Thromboembolic complications of rheumatic fever in childhood. Streeper RB. *Dis Chest* 46:61-5, Jul 64

Experimental studies on the production and prevention of cerebral infarction in dogs. Handa J. *J Neuropath Exp Neurol* 23:457-76, Jul 64

The effect of hyperbaric oxygen on experimental cerebral infarction in the dog. With preliminary correlations of cerebral blood flow at 2 atmospheres of oxygen. Jacobson I, et al. *J Neurosurg* 20:849-59, Oct 63

INFECTION

The abdominal policeman. *Brit Med J* 5415:963-4, 17 Oct 64

Inclusion-bearing cells in urinary sediment in infectious diseases. Boyd JF, et al. *J Path Bact* 88:115-24, Jul 64

Immunosuppression and infection. *New Eng J Med* 271:1068-9, 12 Nov 64

Bacterial infection and wasting in neonatally thymectomized rats. Azar HA. *Proc Soc Exp Biol Med* 116:817-23, Jul 64

Infections of the hand. Entin MA. *Surg Clin N Amer* 44:981-93, Aug 64

INFLAMMATION

The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. Welmer HE, et al. *Cancer Res* 24:847-54, Jun 64

Pathogenesis of inflammation. I. The production of an inflammatory substance from rabbit granulocytes in vitro and its relationship to leucocyte pyrogen. Moses JM, et al. *J Exp Med* 120:57-82, 1 Jul 64

The nature of late reactions following intradermal injection of heterologous anti-tissue sera. Krakower CA, et al. *Proc Soc Exp Biol Med* 116:301-6, Jun 64

Experimental production of respiratory insufficiency. Butler EK, et al. *Surg Forum* 15:188-90, 1964

[Tissue reactions to contact with nonresorbable suture threads. (Comparative experimental study)] Courbier R, et al. *Presse Med* 72:2233-4, 19 Sep 64 (Fr)

INFLUENZA

A pilot study of acute respiratory illnesses on a college campus. Kapikian AZ, et al. *Amer Rev Resp Dis* 90:175-82, Aug 64

Influenza prospects. *Brit Med J* 541:1085-6700, 31 Oct 64

Studies of germfree animals. I. Response of mice to infection with influenza A virus. Dolowy WC, et al. *Proc Soc Exp Biol Med* 116:365-71, Jun 64

Antibody response in certain domestic animals to influenza viruses. Bucca MA, et al. *Proc Soc Exp Biol Med* 116:493-5, Jun 64

Inheritance of resistance to influenza virus in mice. Lindenmann J. *Proc Soc Exp Biol Med* 116:506-9, Jun 64

Epidemic vertigo. James T. *S Afr Med J* 38:709-10, 29 Aug 64

INFLUENZA VACCINE

Influenza prospects. *Brit Med J* 541:1085-6700, 31 Oct 64

Polyvalent influenza vaccine in general practice. Blow RJ. *Brit Med J* 5414:943, 10 Oct 64

New metabolizable immunologic adjuvant for human use. 2. Short-term animal toxicity tests. Peck HM, et al. *Proc Soc Exp Biol Med* 116:523-30, Jun 64

New metabolizable immunologic adjuvant for human use. I. Development and animal immune response. Woodhour AF, et al. *Proc Soc Exp Biol Med* 116:516-23, Jun 64

INFLUENZA VIRUSES

Antiviral activity of 3,5 dilodo-4-hydroxybenzenesulfonamide in chick embryo lung tissue culture. Kundin WD, et al. *Proc Soc Exp Biol Med* 116:425-7, Jun 64

INFUSIONS, PARENTERAL

Cytotoxicity of autoclaved carbohydrate solutions. Jones CS. *Brit Med J* 5413:878, 3 Oct 64

INGUINAL HERNIA

Postgastrectomy internal hernia. Larsen RR, et al. *Arch Surg (Chicago)* 89:725-30, Oct 64

Femoral transposition of the spermatic cord in the repair of inguinal hernia. Drury HD. *Aust New Zeal J Surg* 34:15-7, Aug 64

Hernial appendicitis. Mitchell JE. *Brit J Clin Pract* 18:419-21, Jul 64

Massive hernias associated with ectopic testes. Cole FR. *J Int Coll Surg* 42:355-7, Oct 64

The proper use of stainless steel mesh in inguinal hernia repair. Ashley P. *J Int Coll Surg* 42:367-71, Oct 64

Spinal or general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. Urbach KF, et al. *JAMA* 190:25-9, 5 Oct 64

INHALATION THERAPY

High altitude physiology in relation to anesthesia and inhalation therapy. Safar P, et al. *Anesthesiology* 25:515-31, Jul-Aug 64

INJECTIONS, INTRAMUSCULAR

Clostridial infection. *Brit Med J* 5418:1150-1, 7 Nov 64

INJECTIONS, INTRAVENOUS

A new plastic intravenous cannula. Braun MB. *Anesthesiology* 25:570, Jul-Aug 64

Disappearing plastic cannula. Lewis EB. *Brit Med J* 5415:1010-1, 17 Oct 64

INNOMINATE ARTERY

Innominate arterial aneurysms occurring after blunt trauma. Heggsvelt HA, et al. *Amer J Clin Path* 42:69-74, Jul 64

The diagnosis and treatment of arterial injuries of the upper extremity. MacLean LD. *Surg Clin N Amer* 44:1037-47, Aug 64

INNOMINATE VEIN

Protein bound iodine in the thyroid vein of man. Nora PF, et al. *Surg Forum* 15:79-80, 1964

INSECT VECTORS

Chagas' disease in Peru. I. The epidemiological importance of the guinea pig. Herrer A. *Trop Geogr Med* 16:146-51, Jun 64

INSECTICIDES

Safe use of pesticides in food production. Smith RB Jr. *Arch Environ Health (Chicago)* 9:634-8, Nov 64

Diagnosis and treatment of pesticide poisoning. Zavon MR. *Arch Environ Health (Chicago)* 9:615-20, Nov 64

Organic phosphorus poisoning and therapy. Molphy R, et al. *Med J Aust* 2:337-40, 29 Aug 64

INSECTS

The significance of invertebrate hormones in relation to differentiation. Burdette WJ. *Cancer Res* 24:521-36, May 64

INSEMINATION

Effects of intra- and inter-specific social stimulation on implantation in deer mice. Bronson FH, et al. *J Reprod Fertil* 8:22-7, Aug 64

INSIGNIA AND DECORATIONS

Association acts to promote medical identification symbol. *Circulation* 30:7, Jul 64

INSULIN

Insulin and epinephrine effects on platelet histamine release in a plasma-free system. Tidball ME. *Amer J Physiol* 207:177-80, Jul 64

In vitro studies on mouse mammary gland response to hormonal treatment. Ranadive KJ, et al. *Brit J Cancer* 18:308-11, Jun 64

Effect of adrenocortical hormones on release of free fatty acids and uptake of glucose in human peripheral tissues. Jenkins JS, et al. *Clin Sci* 26:421-7, Jun 64

Action of insulin upon blood glucose levels of fasted hypophysectomized, depancreatized and normal chickens. Kolke TJ, et al. *Endocrinology* 74:944-8, Jun 64

Autoradiographic study of insulin distribution in the rat with special reference to elastic tissue. Worthington WC Jr, et al. *Endocrinology* 74:914-24, Jun 64

Differential responsiveness to hormones of CSH and A mouse mammary tissues in organ culture. Rivera EM. *Endocrinology* 74:853-64, Jun 64

Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. Kosaka K, et al. *Endocrinology* 75:9-14, Jul 64

Induced synthesis of hepatic uridine diphosphate



glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64  
Inhibition of insulin degradation by fractions of non-diabetic sera. Freinkel N, et al. *Lancet* 2:646-7, 19 Sep 64

Insulin response to glucose loading in acromegaly. Cerasi E, et al. *Lancet* 2:769-71, 10 Oct 64  
The plasma insulin "inhibitor" and immunoprecipitation assay. Kuzuya T, et al. *Metabolism* 13:493-5, Jun 64

Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity. Correa PR, et al. *Metabolism* 13:496-8, Jun 64

The response of plasma human growth hormone to insulin and ethanol-induced hypoglycemia in two patients with "isolated adrenocorticotrophic defect". Arky RA, et al. *Metabolism* 13:547-50, Jun 64

Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. Goldman JK, et al. *Metabolism* 13:572-8, Jun 64

Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. Bleicher SJ, et al. *New Eng J Med* 271:866-72, 22 Oct 64

Comparison of disappearance from plasma of insulin I-131 and of insulin-like activity. Bolinger RE, et al. *Proc Soc Exp Biol Med* 116:812-3, Jul 64

An in vitro effect of insulin on the preputial gland. Freinkel RK. *Proc Soc Exp Biol Med* 116:680-2, Jul 64

Effects of bromobenzene on mouse tissue sulphydryl and insulin-I-131 metabolism. Beck LV, et al. *Proc Soc Exp Biol Med* 116:283-8, Jun 64

Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64

Gastric secretory response to insulin hypoglycemia. Davis RA, et al. *Surg Forum* 15:312-3, 1964

Use of the electroenterogram to determine pacemaker activity of the small intestine. Bunker CE, et al. *Surg Forum* 15:293, 1964

[Therapeutic problems posed by unstable diabetes]

Rambert P, et al. *Presse Med* 72:2229-31, 19 Sep 64 (Fr)

## INSULIN ANTIBODIES

Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagie SR, et al. *J Biol Chem* 239:1289-91, May 64

The plasma insulin "inhibitor" and immunoprecipitation assay. Kuzuya T, et al. *Metabolism* 13:493-5, Jun 64

Effect of the insulin-inhibitory albumin fraction from normal and diabetic subjects on adipose tissue. Alp H, et al. *Metabolism* 13:609-19, Jul 64

## INSURANCE, HEALTH

An exercise in the costs of medical care. Lewis CE. *Arch Environ Health (Chicago)* 9:581-4, Nov 64  
Report of the Special Committee on Prepaid Medical Care. *Canad Med Ass J* 90:Suppl:45-55, 19 Sep 64  
Report of the Special Committee to Adapt the Australian Plan of Medical Services to Canadian Conditions. *Canad Med Ass J* 90:Suppl:35-44, 19 Sep 64  
[Statement on medical care with conclusions and recommendations prepared by the Special Committee on Policy of the Canadian Medical Association]  
*Canad Med Ass J* 90:Suppl:17-33, 19 Sep 64 (Fr)

## INSURANCE, LIFE

Hypertension and life assurance. MacDonald ID, et al. *Practitioner* 193:57-60, Jul 64

## INTELLIGENCE

[Does hunger during infancy inhibit brain growth and development of intelligence?] Harnack GA von. *Deutsch Med Wschr* 89:1957-8, 9 Oct 64 (Ger)

## INTELLIGENCE TESTS

Psychologic evaluation of a gerontologic population: comparison of results with the Raven Progressive Matrices (1947) versus the Wechsler Adult Intelligence Scale. Wolk RL, et al. *J Amer Geriatr Soc* 12:807-9, Aug 64  
Assessment of cerebral effects of deliberate hypotension by psychological measurements. Eckenhoff JE, et al. *Lancet* 2:711-4, 3 Oct 64  
[Late prognosis in children with surgically treated meningomyelocele] Lagrange E, et al. *Deutsch Med Wschr* 89:1457-62, 31 Jul 64 (Ger)

## INTERFERON

Protection of mice by interferon against systemic virus infections. Finter NB. *Brit Med J* 5415:981-5, 17 Oct 64  
Isologous interference with ultraviolet and x-ray

irradiated bacteriophage T2. Levy SB. *J Bact* 87:1330-8, Jun 64

## INTERMITTENT CLAUDICATION

Neurogenic intermittent claudication. Evans JG. *Brit Med J* 5415:985-7, 17 Oct 64

## INTERNAL MEDICINE

Our neglect of general internists and practitioners in teaching hospitals. Levine SA. *JAMA* 190:266-8, 26 Oct 64

## INTERNATIONAL COOPERATION

Peru and neurosurgery on Project Hope. Mount LA. *J Neurosurg* 20:512-4, Jun 63

## INTERNSHIP AND RESIDENCY

Training in nuclear medicine for radiology residents. McCormack KR. *Radiology* 83:22-5, Jul 64

## INTERPERSONAL RELATIONS

Instrumented role playing in psychiatric training laboratory. Rothaus P. *Arch Gen Psychiat* (Chicago) 11:400-10, Oct 64

## INTERPROFESSIONAL RELATIONS

Child care in general practice. The paediatric consultation. MacKeith R. *Brit Med J* 5418:1179-81, 7 Nov 64  
Negotiating a division of labor among professionals in the state mental hospital. Schatzman L, et al. *Psychiatry* 27:266-77, Aug 64

## INTERVERTEBRAL DISK

In vivo measurements of intradiscal pressure. Discometry, a method for the determination of pressure in the lower lumbar discs. Nachemson A, et al. *J Bone Joint Surg [Amer]* 46:1077-92, Jul 64  
Disease of lumbar discs. Ten years of surgical treatment. Brown HA, et al. *J Neurosurg* 20:410-7, May 63

## INTERVERTEBRAL DISK

### DISPLACEMENT

Statometric studies on patients operated upon for slipped disc in the lumbar region. Hansen JW. *Acta Orthop Scand* 34:225-38, 1964  
Neurogenic intermittent claudication. Evans JG. *Brit Med J* 5415:985-7, 17 Oct 64  
Ochronosis with ruptured lumbar disc: case report. Feild JR, et al. *J Neurosurg* 20:348-51, Apr 63  
Disease of lumbar discs. Ten years of surgical treatment. Brown HA, et al. *J Neurosurg* 20:410-7, May 63  
Prolapsed calcified thoracic intervertebral disc. Taylor TK, et al. *J Path Bact* 88:153-7, Jul 64  
Diagnostic criteria for distinguishing cervical disk herniation from spondylosis in the neural compression syndrome. McGinnis KD, et al. *Radiology* 83:67-73, Jul 64  
The differential diagnosis of deep thrombophlebitis and herniated lumbar intervertebral disk. Knox EW. *Vasc Dis* 1:94-5, Mar 64

## INTESTINAL ABSORPTION

Intestinal absorption of bile salts in the rat. Holt PR. *Amer J Physiol* 207:1-7, Jul 64  
Intestinal absorption of intrinsic factor and B12-intrinsic factor complex. Boass A, et al. *Amer J Physiol* 207:27-32, Jul 64  
Uptake of cholesterol by segments of small intestine of rat. Shamma'a MH, et al. *Amer J Physiol* 207:33-6, Jul 64  
Functional development of active sugar transport in the chick intestine. Bogner PH, et al. *Amer J Physiol* 207:37-41, Jul 64  
Effects of hypoxia on iron absorption and mobilization in the rat. Strohmeier GW, et al. *Amer J Physiol* 207:55-61, Jul 64  
Urea transport across dog intestinal mucosa in vitro. Hakim AA, et al. *Amer J Physiol* 206:1315-20, Jun 64  
The significance of iron turnover in the control of iron absorption. Weintraub LR, et al. *Blood* 24:19-24, Jul 64  
Urinary excretion of prednisolone after intrarectal therapy in ulcerative colitis. Wood WA, et al. *Brit Med J* 5416:1045-6, 24 Oct 64  
Studies on iron absorption. Intestinal regulatory mechanisms. Wheby MS, et al. *J Clin Invest* 43:1433-42, Jul 64  
Secretion and excretion of calcium by the human gastrointestinal tract. Heaney RP, et al. *J Lab Clin Med* 64:29-41, Jul 64  
Colonic absorption of tryptophan metabolites in man. Fordtran JB, et al. *J Lab Clin Med* 64:125-32, Jul 64

New interpretation of oral glucose tolerance. Balsano F, et al. *Lancet* 2:865, 17 Oct 64  
Studies of intestinal absorption of calcium-45 in man. DeGrazia JA, et al. *Metabolism* 13:650-60, Jul 64  
Studies on vitamin D-resistant rickets; effects of human growth hormone. Gershberg H, et al. *Metabolism* 13:638-49, Jul 64  
Absolute requirement for free sterol for absorption by rat intestinal mucosa. Vahouny GV, et al. *Proc Soc Exp Biol Med* 116:496-8, Jun 64  
Urinary excretion of THAM citrate orally administered. Nahas GG, et al. *Proc Soc Exp Biol Med* 116:378-82, Jun 64  
Effects of recirculating jejunal loops on absorption and transit after massive bowel resection in dogs. Redmond DC 2d, et al. *Surg Forum* 15:291-2, 1964  
Ileal bypass in lowering high cholesterol levels. Buchwald H, et al. *Surg Forum* 15:289-91, 1964  
Effect of acidic polysaccharides on bone uptake of radioactive strontium and calcium. Paul TM, et al. *Surg Forum* 15:66-7, 1964  
Metabolic effects of selective and total vagotomy. Baldwin JN, et al. *Surg Forum* 15:303-5, 1964

## INTESTINAL ATRESIA

Management of complicated meconium ileus. Hill JT, et al. *Amer J Surg* 108:233-8, Aug 64  
Origin of intestinal atresia of newborn. Dickinson SJ. *JAMA* 190:119-21, 12 Oct 64

## INTESTINAL DISEASES

Bacterial changes in the small intestine in malabsorptive states and in pernicious anaemia. Dellipiani AW, et al. *Clin Sci* 26:359-74, Jun 64  
Adenovirus infection as an aetiological factor in intussusception of infants and young children. Potter CW. *J Path Bact* 88:263-74, Jul 64  
Origin of intestinal atresia of newborn. Dickinson SJ. *JAMA* 190:119-21, 12 Oct 64

## INTESTINAL FISTULA

Management of intestinal fistulas. Chapman R, et al. *Amer J Surg* 108:157-64, Aug 64  
'Orabase' in the management of abdominal-wall digestion by ileostomy and fistulas. Sircus W. *Lancet* 2:762, 3 Oct 64

## INTESTINAL MICROORGANISMS

Toxin production of faecal strains of Clostridium welchii. Price DJ, et al. *Brit Med J* 5418:1176-7, 7 Nov 64  
Bacterial changes in the small intestine in malabsorptive states and in pernicious anaemia. Dellipiani AW, et al. *Clin Sci* 26:359-74, Jun 64  
Effect of hyocholic acid on cholesterol and bile acid metabolism in the mouse. Behr WT, et al. *Proc Soc Exp Biol Med* 116:442-5, Jun 64  
Strangulation obstruction in germfree rats. Yale CE, et al. *Surg Forum* 15:294-5, 1964  
Effect of the intestinal bacteria on recovery from burn injury. Rosoff CB. *Surg Forum* 15:39-41, 1964

## INTESTINAL NEOPLASMS

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-6, Aug 64  
Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64

## INTESTINAL OBSTRUCTION

Management of complicated meconium ileus. Hill JT, et al. *Amer J Surg* 108:233-8, Aug 64  
Complications of the Noble procedure. Wilson ND. *Amer J Surg* 108:264-9, Aug 64  
Survival rate in obstructing carcinoma of colon. Loeffler I, et al. *Arch Surg (Chicago)* 89:718-8, Oct 64  
Intestinal obstruction in mucoviscidosis. Cohen D. *Aust New Zeal J Surg* 34:47-9, Aug 64  
Strangulation obstruction in germfree rats. Yale CE, et al. *Surg Forum* 15:294-5, 1964

## INTESTINAL PERFORATION

Management of complicated meconium ileus. Hill JT, et al. *Amer J Surg* 108:233-8, Aug 64  
Acute appendicitis-when is it right to be wrong? Hobson T, et al. *Amer J Surg* 108:306-12, Aug 64  
Surgical management of the difficult and perforated duodenal stump: an experimental study. Jones SA, et al. *Amer J Surg* 108:257-63, Aug 64  
Gastrointestinal complications of collagen diseases. Surgical implications. Couris GD, et al. *Arch Surg (Chicago)* 89:695-700, Oct 64  
Hernial appendicitis. Mitchell JE. *Brit J Clin Pract* 18:419-21, Jul 64  
Jejunal perforation with the Crosby capsule. Clarke SW. *Lancet* 2:727-8, 3 Oct 64



## INTESTINE, LARGE

Nutritional studies with the guinea pigs. XI. Pyridoxine. Reid ME. *Proc Soc Exp Biol Med* 116:289-90, Jun 64

## INTESTINE, SMALL

Uptake of cholesterol by segments of small intestine of rat. Shamma'a MH, et al. *Amer J Physiol* 207:33-6, Jul 64  
Tumors of the small bowel. Schmutzter KJ, et al. *Amer J Surg* 108:270-8, Aug 64  
Complications of the Noble procedure. Wilson ND. *Amer J Surg* 108:264-9, Aug 64  
An intestinal hormone affecting glucose disposal in man. Dupre J. *Lancet* 2:672-3, 20 Sep 64  
Effect of ethionine-induced pancreatic damage on intestinal enzyme activity of the rat. Libre EP, et al. *Proc Soc Exp Biol Med* 116:452-4, Jun 64  
Use of the electroenterogram to determine pacemaker activity of the small intestine. Bunker CE, et al. *Surg Forum* 15:293, 1964  
Is serosa-to-serosa approximation necessary in intestinal anastomosis? Healey JE Jr, et al. *Surg Forum* 15:297-9, 1964  
Effects of recirculating jejunal loops on absorption and transit after massive bowel resection in dogs. Redmond DC 2d, et al. *Surg Forum* 15:291-2, 1964

## INTESTINES

Intestinal absorption of bile salts in the rat. Holt PR. *Amer J Physiol* 207:1-7, Jul 64  
Some factors influencing short-term food intake of the goldfish. Rozin PN, et al. *Amer J Physiol* 206:1430-6, Jun 64  
Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. Browne HG, et al. *Amer J Trop Med* 13:558-71, Jul 64  
Effect of deoxypyridoxine on signs of pyridoxine deficiency and intestinal 5-hydroxytryptamine. Boullin DJ. *Brit J Nutr* 18:319-23, 1964  
Use of liver adenylyl cyclase for assay of glucagon in human gastro-intestinal tract and pancreas. Makman MH, et al. *Endocrinology* 75:127-34, Jul 64  
Cell-survival data and the irradiation response of some normal tissues. Wilson CW. *Radiology* 83:120-30, Jul 64

## INTRACRANIAL PRESSURE

Mechanism of production of papilloedema. Primrose J. *Brit J Ophthalmol* 48:19-29, Jan 64  
The EEG in benign intracranial hypertension. Mani KS, et al. *Electroenceph Clin Neurophysiol* 16:604-10, Jun 64  
Mental and seizure manifestations in relation to brain tumors. A statistical study. Güvener A, et al. *Epilepsia (Amst)* 5:186-78, Jun 64  
Mechanism of pupillary changes secondary to increased intracranial pressure. Hollowell OW, et al. *Surg Forum* 15:427-9, 1964  
[On the morphology of acute hyperpyretic toxicosis in the older infant] Müller G. *Deutsch Med Wschr* 89:1828-31, 25 Sep 64 (Ger)

## INTRAOCULAR PRESSURE

Intraocular pressure changes during artificial kidney therapy. Sitprija V, et al. *Arch Ophthalmol (Chicago)* 72:626-31, Nov 64  
Effect of third cranial nerve on intraocular pressure. Thomas RP. *Arch Ophthalmol (Chicago)* 72:529-34, Oct 64  
Effect of oral glycerol of intraocular pressure in normal and glaucomatous eyes. Drance SM. *Arch Ophthalmol (Chicago)* 72:491-3, Oct 64  
Effects of two mineralocorticoids on ocular tension. Frenkel M, et al. *Arch Ophthalmol (Chicago)* 72:315-8, Sep 64  
Episcleral venous pressure in tonography. Leith AB. *Brit J Ophthalmol* 47:271-8, May 63  
Hormonal influence in simple glaucoma. A preliminary report. Paterson GD, et al. *Brit J Ophthalmol* 47:129-37, Mar 63  
Evaluation of sustained-release acetazolamide. Mestre C, et al. *Brit J Ophthalmol* 47:31-5, Jan 63  
Hypotony following cycloidalysis. Miller SJ. *Brit J Ophthalmol* 47:211-4, Apr 63  
Effects of transient induced elevation of the intra-ocular pressure on the visual field. Tsamprakakis JC. *Brit J Ophthalmol* 48:237-49, May 64  
Corneal opacity after partial lamellar keratectomy. Mortada A. *Brit J Ophthalmol* 47:45-9, Jan 63  
Current developments in ophthalmology. The ocular effects of autonomic surgery. Golding-Wood PH. *Proc Roy Soc Med* 57:494-7, Jun 64

## INTRINSIC FACTOR

Intestinal absorption of intrinsic factor and

B12-intrinsic factor complex. Boass A, et al. *Amer J Physiol* 207:27-32, Jul 64

## INTUBATION, INTRATRACHEAL

A new dual purpose Y connector. Albert SN. *Anesthesiology* 25:575, Jul-Aug 64  
Obstructed endotracheal catheter. Sobel AM. *Anesthesiology* 25:581, Jul-Aug 64

## INTUSSUSCEPTION

Adenovirus infection as an aetiological factor in intussusception of infants and young children. Potter CW. *J Path Bact* 88:263-74, Jul 64

## INULIN

A micropuncture evaluation of renal ammonia excretion in the rat. Hayes CP Jr, et al. *Amer J Physiol* 207:77-83, Jul 64

## IODIDES

Spinal fluid iodide transport in the dog. Coben LA, et al. *Amer J Physiol* 206:1373-8, Jun 64  
The biosynthesis of thyroxine. Taurag A. *Mayo Clin Proc* 39:569-85, Aug 64  
The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64

## IODINE

Thyroidal iodine heterogeneity: "last come, first served" system of iodine turnover. Schneider PB. *Endocrinology* 74:973-80, Jun 64  
Alkylating agents and iodophor compounds for the prevention of local recurrence of cancer. Vernick JJ, et al. *Surg Forum* 15:336-8, 1964  
Development of carcinoma of the thyroid in mice. Schaller RT Jr, et al. *Surg Forum* 15:354-5, 1964  
[Studies on the suitability of triiodized roentgen contrast media for cerebral angiography] Alexander K, et al. *Angiologica (Basel)* 1:213-26, 1964 (Ger)

## IODINE ISOTOPES

Hormonal effects on distribution and excretion of iodide-I-131 in the dog. Takeda Y. *Amer J Physiol* 206:1237-43, Jun 64  
Radioactive contamination of the human diet and of man. Harley JH. *Arch Environ Health (Chicago)* 9:649-53, Nov 64  
Tracer studies on a transplantable hamster melanoma. Potts AM. *Arch Ophthalmol (Chicago)* 72:359-64, Sep 64  
Effect of methimazole upon thyroid clearance of circulating iodide. Rosenberg IN, et al. *Endocrinology* 75:89-96, Jul 64  
I-131-uptake in cervical mucus during the menstrual cycle. Parisier HE, et al. *Fertil Steril* 15:433-9, Jul-Aug 64  
Immunologic inhibition of endogenous or exogenous thyrotropin in various species. Garcia AM, et al. *Proc Soc Exp Biol Med* 116:467-71, Jun 64

## IODINE ISOTOPES, DIAGNOSTIC

Radioactive iodine and surgery of the thyroid. Friedell MT. *J Amer Geriatr Soc* 12:737-48, Aug 64  
Clinical trial of modified gamma camera for thyroid scanning. Thomson JA, et al. *Lancet* 2:714-6, 3 Oct 64  
The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine. Levy RP, et al. *Metabolism* 13:557-61, Jun 64

## IODINE ISOTOPES, THERAPEUTIC

Observations on intralymphatic radiotherapy and general chemotherapy. Chiappa S, et al. *Clin Radiol* 15:202-9, Jul 64  
Rising incidence of hypothyroidism after radioactive-iodine therapy in thyrotoxicosis. Dunn JT, et al. *New Eng J Med* 271:1037-42, 12 Nov 64

## IODIPAMIDE

Intravascular erythrocyte aggregation after intravenous injection of contrast media. Lindgren P, et al. *Acta Radiol [Diagn] (Stockholm)* 2:334-44, Jul 64

## IODIZED OILS

Observations on intralymphatic radiotherapy and general chemotherapy. Chiappa S, et al. *Clin Radiol* 15:202-9, Jul 64  
Neurosurgical classic. X. Wilkins RH. *J Neurosurg* 20:721-7, Aug 63

## IDOACETATES

The characterization of modified human hemoglobin. I.

Reaction with iodoacetamide and N-ethylmaleimide. Guidotti G, et al. *J Biol Chem* 239:1474-84, May 64

## IODOPYRACET

The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64  
A radiographic evaluation of angiographic contrast media. Twigg HL, et al. *Vasc Dis* 1:54-7, Jan 64

## ION EXCHANGE RESINS

The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine. Levy RP, et al. *Metabolism* 13:557-61, Jun 64

## IONS

Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al. *Amer J Physiol* 207:71-6, Jul 64

## IOPANOIC ACID

Studies of sulfobromophthalein sodium (BSP) metabolism in man. II. The effect of artificially induced fever, norethandrolone (Nilevar), and iopanoic acid (Telapaque). Schoenfield LJ, et al. *J Clin Invest* 43:1419-23, Jul 64

## IPRONIAZID

The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64

## IRIDIUM

Intracavitary irradiation of malignant brain tumours. Drake CG, et al. *J Neurosurg* 20:428-34, May 63

## IRIS

Laser coagulation of ocular tissues. Flocks M, et al. *Arch Ophthalmol (Chicago)* 72:604-11, Nov 64  
Cholinesterases, monoamine oxidases, and phosphorylase in the iris muscles. Niemi M, et al. *Arch Ophthalmol (Chicago)* 72:548-53, Oct 64  
Iridectomy and hemostasis facilitated by suction. Corboy PM. *Arch Ophthalmol (Chicago)* 72:343-5, Sep 64  
Recurrent malignant melanoma of the iris. Cleasby GW. *Arch Ophthalmol (Chicago)* 72:332-6, Sep 64  
Features of the peripheral iris as seen by gonioscopy after cataract extraction. Abrams JD. *Brit J Ophthalmol* 47:713-20, Dec 63  
Self-limiting acute closed-angle glaucoma with segmental iris shortening. Phillips CI, et al. *Brit J Ophthalmol* 47:547-54, Sep 63  
Transillumination of the iris during routine slit-lamp examination. Abrams JD. *Brit J Ophthalmol* 48:42-4, Jan 64  
Iris cyst treated by electrolysis. Wilson W. *Brit J Ophthalmol* 48:45-9, Jan 64  
Cyst of the incarcerated iris. First report of complication following cataract extraction. Nath K. *Brit J Ophthalmol* 48:50-2, Jan 64

## IRON

Determination of iron in serum using solvent extraction. Forman DT. *Amer J Clin Path* 42:103-8, Jul 64  
Desferrioxamine and acute iron poisoning. Pittman AK. *Brit Med J* 5417:1135, 31 Oct 64  
Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. Bornside GH, et al. *J Bact* 87:1443-51, Jun 64  
Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64  
Estimation of ferrioxamine and desferrioxamine in urine. Fielding J, et al. *J Clin Path* 17:395-8, Jul 64  
Changes of blood elements and the circulatory system in climbing. 3. Sumiyoshi K, et al. *Jap Circ J* 28:669-75, Sep 64  
A controlled-release iron tablet. Howard HI. *Practitioner* 193:83-5, Jul 64

## IRON-DEXTRAN COMPLEX

Geophagia with iron deficiency and hypokalemia. Cachexia africana. Mengel CE, et al. *Arch Intern Med (Chicago)* 114:470-4, Oct 64

## IRON ISOTOPES

Effects of hypoxia on iron absorption and mobilization in the rat. Strohmeier GW, et al. *Amer J Physiol* 207:55-61, Jul 64  
A theory for the quantification of transcapillary exchange by tracer-dilution curves. Martín P, et al. *Amer J Physiol* 207:162-8, Jul 64  
Marrow transplantation measured by uptake of Fe<sup>59</sup> by spleen. Smith LH. *Amer J Physiol* 206:1244-50, Jun 64



A report on the labeling of *Schistosoma japonicum* cercariae with radioiron. De la Cruz B, et al. *Amer J Trop Med* 13:545-7, Jul 64  
[Ferritin and hemosiderin] Wöhler F. *Deutsch Med Wschr* 89:1801-9, 18 Sep 64 (Ger)

## IRON METABOLISM

Effects of hypoxia on iron absorption and mobilization in the rat. Strohmeier GW, et al. *Amer J Physiol* 207:55-61, Jul 64  
The significance of iron turnover in the control of iron absorption. Weintraub LR, et al. *Blood* 24:19-24, Jul 64  
Studies on iron absorption. Intestinal regulatory mechanisms. Wheby MS, et al. *J Clin Invest* 43:1433-42, Jul 64  
Accumulation of iron in subcutaneous sponge implants in normal and lathyrotic rats. Dasler W, et al. *Metabolism* 13:579-82, Jun 64  
A controlled-release iron tablet. Howard HI. *Practitioner* 193:83-5, Jul 64  
Correlation between kidney muramidase activity and plasma iron removal in rats with Walker-256 carcinosarcoma. Kretschmar AL, et al. *Proc Soc Exp Biol Med* 118:275-7, Jun 64  
Effect of endotoxin upon total iron-binding capacity of the serum. Kampschmidt RF, et al. *Proc Soc Exp Biol Med* 116:420-2, Jun 64  
[Ferritin and hemosiderin] Wöhler F. *Deutsch Med Wschr* 89:1801-9, 18 Sep 64 (Ger)

## IRRIGATION

Irrigation of open vestibule in stapes surgery. A clinical and experimental study. Kerth JD, et al. *Arch Otolaryng* (Chicago) 80:392-7, Oct 64  
Peritoneal lavage for generalized peritonitis. Case TC. *J Amer Geriatr Soc* 12:694-700, Jul 64  
Sudden loss of vestibular function after irrigation of the ear. Peitersen E. *J Laryng* 78:494-6, Jul 64  
Response to mannitol under conditions simulating irrigant infusion during transurethral resection. Jones WR, et al. *Surg Forum* 15:483-5, 1964

## ISCHEMIA

The neurogenic metabolic factor in ischemic heart disease. Raab W. *Dis Chest* 46:150-7, Aug 64  
Experimental growth retardation in the foetal rat. Wigglesworth JS. *J Path Bact* 88:1-13, Jul 64  
Successful treatment of crush and amputation shock following prolonged periods of ischemia. Mehl RL, et al. *Surg Forum* 15:1-3, 1964  
Effect of hyperbaric oxygenation on hepatic inflow occlusion. Jacobsen DS, et al. *Surg Forum* 15:198-200, 1964  
Lymphatic cineradiography. Rubeiz MT, et al. *Surg Forum* 15:461-3, 1964  
Arm tourniquet tolerance in unanesthetized adults. Bennett JE, et al. *Surg Forum* 15:463-5, 1964  
Prevention of spinal cord ischemia incident to extensive mobilization of the thoracic aorta from the posterior parietes. Edwards RH, et al. *Surg Forum* 15:285-7, 1964  
Vasodilator material in ischemic tissues. Selby DM, et al. *Surg Forum* 15:232-3, 1964  
Beneficial effect of low molecular weight dextran on acute ischemic limb. Kwak HH, et al. *Surg Forum* 15:230-1, 1964

## ISCHIUM

Coexisting hyperparathyroidism and Paget's disease. Martin MM, et al. *Arch Intern Med* (Chicago) 114:482-6, Oct 64

## ISLANDS OF LANGERHANS

Distribution of the two types of A cells in the pancreatic islets of some mammalian species. Alm G, et al. *Acta Endocr (Copenhagen)* 46:307-16, Jun 64

## ISLET CELL TUMOR

Surgical consideration in the management of ulcerogenic tumors of the pancreas and duodenum. Oberhelman HA Jr, et al. *Amer J Surg* 108:132-41, Aug 64  
Characterization by immunofluorescence of an ACTH-like substance in nonpituitary tumors from patients with hyperadrenocorticism. Jarett L, et al. *J Clin Endocr* 24:543-9, Jun 64  
Insulinoma with symptoms for thirty years. Black KO, et al. *Proc Roy Soc Med* 57:675-6, Aug 64

## ISOCARBOXAZID

Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI. *JAMA* 190:456-62, 2 Nov 64

## ISOCITRATE DEHYDROGENASE

Nicotinamide adenine dinucleotide-specific isocitric dehydrogenase. A possible regulatory protein. Sanwal BD, et al. *J Biol Chem* 239:1597-603, May 64

## ISOFLUROPHATE

Phospholine iodide (217M1) (ecothiophate iodide) in the treatment of glaucoma. Lloyd JP. *Brit J Ophthal* 47:469-84, Aug 63  
Studies on a cholinesterase of *Pseudomonas fluorescens*. 3. Acetyltransferase activity. Fitch WM. *J Biol Chem* 239:1328-34, May 64  
[The determination of human erythrocyte survival time with radioactive diisopropylfluorophosphate (DFP32) and its use in clinical practice] Helmpel H, et al. *Deutsch Med Wschr* 89:1463-9, 31 Jul 64 (Ger)

## ISOLATION PERFUSION

Ophthalmic arterial pressure and flow during extracorporeal perfusion of carotid of dogs and monkeys. Mahaley MS Jr, et al. *J Neurosurg* 20:1080-4, Dec 63

## ISOLEUCINE

Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA. *Cancer Res* 24:619-25, May 64  
Isoleucine and valine metabolism in *Escherichia coli*. XII. Characterization of a factor involved in acetolactate formation. Leavitt RI. *J Bact* 88:172-8, Jul 64  
Valine-isoleucine metabolism in *Acetobacter suboxydans* and the inhibition of growth by valine. Kerwar SS, et al. *J Bact* 88:179-86, Jul 64  
Isoleucine and valine metabolism in *Escherichia coli*. XII. Characterization of a factor involved in acetolactate formation. Leavitt RI. *J Bact* 88:172-8, Jul 64  
Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relations between isoleucine and leucine for growth. Chance RE, et al. *J Nutr* 83:177-85, Jul 64  
Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64

## ISOMERASES

Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64  
Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64  
Purification and properties of inducible hydroxyproline 2-epimerase from *Pseudomonas*. Adams E, et al. *J Biol Chem* 239:1525-35, May 64  
Isolation of crystalline phosphoglucose isomerase from rabbit muscle. Noltmann EA. *J Biol Chem* 239:1545-50, May 64  
Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64  
Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. Abraham S, et al. *J Nutr* 83:273-88, Jul 64

## ISONIAZID

Alternating regimens of streptomycin-pyrazinamide, isoniazid-para-aminosalicylic acid at Battey State Hospital. Corpe RF, et al. *Amer Rev Resp Dis* 90:262-5, Aug 64  
Experience with endobronchial medication. Saeed AH. *Dis Chest* 46:143-9, Aug 64  
Fertility after chemotherapy in male patients with genital tuberculosis. Obrant KO, et al. *Fertil Steril* 15:440-9, Jul-Aug 64  
Enzymes and drug sensitivity. Acetylation polymorphisms. Evans DA. *Proc Roy Soc Med* 57:508-11, Jun 64

## ISONIAZID TOXICOLOGY

Isoniazid intoxication. Sitprija V, et al. *Amer Rev Resp Dis* 90:248-54, Aug 64  
Multiple deficiency state associated with isoniazid therapy. Aspinall DL. *Brit Med J* 5418:1177-8, 7 Nov 64  
Toxic epidermal necrolysis. Helfman RJ. *Southern Med J* 57:1365-8, Nov 64

## ISONICOTINIC ACID

Potentiation of the anti-leukemic effects of 2-aminothiadiazole by isonicotinamide and

derivatives. Oettgen HF, et al. *Cancer Res* 24:689-92, May 64

## ISOPROTERENOL

Effects of several cardiovascular drugs on various phases of circulatory dynamics. Aldinger EE. *Amer Heart J* 68:55-65, Jul 64  
Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al. *Amer J Physiol* 206:1201-6, Jun 64  
Isolated perfused bovine liver: responses to common vasoactive drugs. Condon RE, et al. *Arch Surg (Chicago)* 89:602-8, Oct 64  
Controlled study of a new inhalant in asthma and bronchitis. el-Shaboury AH. *Brit Med J* 5418:1037-40, 24 Oct 64  
Effects of catecholamines on urinary calcium and phosphorus in intact and parathyroidectomized rats. Morey ER, et al. *Endocrinology* 75:78-85, Jul 64  
Taurine excretion following drug-induced muscle necrosis and x-irradiation. Goyer RA, et al. *Proc Soc Exp Biol Med* 116:534-6, Jun 64  
A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al. *Proc Soc Exp Biol Med* 116:331-3, Jun 64

## ISOTONIC SOLUTIONS

Effect of intra-alveolar fluid on pulmonary surface tension properties. Johnson JW, et al. *J Appl Physiol* 19:769-77, Jul 64

## JAUNDICE

Idiopathic dyserythropoietic jaundice. Berendsohn S, et al. *Blood* 24:1-18, Jul 64  
Studies on the determination of bile pigments. V. Comparison of some methods for determination of total, free, and conjugated bilirubin in serum. Jacobs SL, et al. *Clin Chem* 10:433-9, May 64

## JAUNDICE, CHRONIC IDIOPATHIC

A note on the chemical estimation of oestrogens in the urine of patients with liver disease. Adlercreutz H, et al. *Acta Endocr (Copenhagen)* 46:230-4, Jun 64

## JAUNDICE, NEONATAL

Congenital biliary atresia. Barclay S. *Aust New Zeal J Surg* 34:24-6, Aug 64

## JAUNDICE, OBSTRUCTIVE

Bilirubin glucuronyl transferase activity in liver disease. Metge WR, et al. *J Lab Clin Med* 64:89-98, Jul 64  
Needle biopsy of the liver in infants and children. Porter M, et al. *J Pediatr* 65:176-88, Aug 64

## JAW

Blaszcovicz operation in a case of Marcus Gunn phenomenon. Malik SR, et al. *Brit J Ophthal* 48:173-5, Mar 64

## JEJUNUM

New interpretation of oral glucose tolerance. Balsano F, et al. *Lancet* 2:865, 17 Oct 64  
Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. Auricchio S, et al. *Lancet* 2:914, 24 Oct 64  
Jejunal perforation with the Crosby capsule. Clarke SW. *Lancet* 2:727-8, 3 Oct 64

## JOINT DISEASES

Janower ML: Painful joints. *JAMA* 190:232-4, 19 Sep 64  
Disorders of the temporomandibular joint. Waite DE. *Plast Reconstr Surg* 34:186-91, Aug 64  
[The synovial raisin cell. Its value in the diagnosis of rheumatic diseases] Delbarre F, et al. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)

## JUGULAR VEIN

Electromagnetic measurement of internal jugular venous flow in the monkey; effect of epilepsy and other procedures. Meyer JS, et al. *J Neurosurg* 21:524-39, Jul 64

## JURISPRUDENCE

Medical professional privilege. *Brit Med J* 5414:955-6, 10 Oct 64  
Life and death in the law. I. *New Eng J Med* 271:1006, 5 Nov 64



KALLIKREIN

Early experience with trasylol in the treatment of acute pancreatitis. Nugent FW, et al. *Southern Med J* 57:1317-21, Nov 64

KANAMYCIN

Kanamycin ototoxicity in healthy men. Sataloff J, et al. *Arch Otolaryng (Chicago)* 80:413-7, Oct 64  
Effect of auditory stimulation of reproduction. IV. Experiments of deaf rats. Zondek B, et al. *Proc Soc Exp Biol Med* 116:636-7, Jul 64  
Toxic epidermal necrolysis. Helfman RJ. *Southern Med J* 57:1365-8, Nov 64

KAPOSI'S VARICELLIFORM

ERUPTION

Eczema vaccinatum. Copeman PW, et al. *Brit Med J* 5414:906-8, 10 Oct 64  
Vaccination and eczema. *Brit Med J* 5414:893-4, 10 Oct 64

KELOID

Regional keloid susceptibility. Crockett DJ. *Brit J Plast Surg* 17:245-53, Jul 64

KERATIN

Adherence of bath oil to keratin. Knox JM, et al. *Brit Med J* 5416:1048-50, 24 Oct 64  
Hexadecane-induced hyperkeratinization of guinea pig skin. I. Changes in epidermal weight and water binding. Kirk DL, et al. *J Invest Derm* 43:93-8, Aug 64  
Keratin formation in a chemically defined medium. Pullar P. *J Path Bact* 88:203-12, Jul 64

KERATITIS

Corneal lesions produced in rabbits by an extract of *Fusarium moniliforme*. Dudley MA, et al. *Arch Ophthalm (Chicago)* 72:346-50, Sep 64  
Varicella of the cornea treated with 5-iodo-2'-deoxyuridine. Cairns JE. *Brit J Ophthalm* 48:288-9, May 64  
Experimental corneal histoplasmosis. Singer JA, et al. *Brit J Ophthalm* 48:293-7, Jun 64  
Keratitis linearis migrans. Wright MH. *Brit J Ophthalm* 47:504-6, Aug 63  
Congenital trigeminal anaesthesia. Hewson EG. *Brit J Ophthalm* 47:308-11, May 63  
Keratoplasty in the keratitis of leprosy. Jones RF. *Brit J Ophthalm* 47:248-9, Apr 63  
Glaucoma and inactive syphilitic interstitial keratitis. Britten MJ, et al. *Brit J Ophthalm* 48:181-90, Apr 64

KERATITIS, DENDRITIC

Herpes simplex retinopathy in an infant. Cogan DG, et al. *Arch Ophthalm (Chicago)* 72:641-5, Nov 64  
Cytosine arabinoside (CA) and other nucleosides in herpes virus infections. Underwood GE, et al. *Arch Ophthalm (Chicago)* 72:505-12, Oct 64  
A comparison of IDU solution, IDU ointment, and carbolicization in the treatment of dendritic corneal ulcer. Mackenzie AD. *Brit J Ophthalm* 48:274-6, May 64  
Treatment of herpes simplex keratitis with 5-iodo-2'-deoxyuridine. Luntz MH, et al. *Brit J Ophthalm* 47:449-56, Aug 63  
Treatment of recurrent herpes. *Brit Med J* 5415:960-1, 17 Oct 64  
Evaluation of idoxuridine (IDU) (Dendrid, Herplex, Stoxil). *JAMA* 190:535-6, 9 Nov 64

KERATOCONJUNCTIVITIS

Keraconjunctivitis resulting from the sap of candleabra cactus and the pencil tree. Crowder JI, et al. *Arch Ophthalm (Chicago)* 72:476-84, Oct 64

KERATOCONUS

Mongolism (Down's syndrome) and keratoconus. Cullen JF, et al. *Brit J Ophthalm* 47:321-30, Jun 63

KERATOSIS

Hexadecane-induced hyperkeratinization of guinea pig skin. I. Changes in epidermal weight and water binding. Kirk DL, et al. *J Invest Derm* 43:93-8, Aug 64

KERNICTERUS

Kernicterus in the Chinese newborn. A morphological and spectrophotometric study. Chen HC. *J Neuropath Exp Neurol* 23:527-49, Jul 64

KETOGLUTARIC ACID

Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64  
The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64

KETONE BODIES

Alcohol hypoglycemia. Effects of ethanol on plasma. 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? Arky RA, et al. *Arch Intern Med (Chicago)* 114:501-7, Oct 64

KETONES

Alcohol hypoglycemia. Effects of ethanol on plasma. 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? Arky RA, et al. *Arch Intern Med (Chicago)* 114:501-7, Oct 64  
The effects of metopirone on glucose metabolism. Liguori G, et al. *Metabolism* 13:499-506, Jun 64

17-KETOSTEROIDS

Conjugation of androsterone in young and old subjects. Ryan MT. *Acta Endocr (Kobenhavn)* 46:170-8, Jun 64  
Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. Wilson H, et al. *Acta Endocr (Kobenhavn)* 46:197-206, Jun 64  
Cushing's syndrome with atypical biochemical results. Harden RM, et al. *Acta Endocr (Kobenhavn)* 46:256-64, Jun 64  
Differential 17-oxosteroid excretion in women with cancer of the breast following hypophysectomy. Khattab AA, et al. *Brit J Cancer* 18:342-53, Jun 64  
Influence of body composition on adrenal function in obesity. Prezio JA, et al. *J Clin Endocr* 24:481-5, Jun 64  
Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. *J Clin Endocr* 24:517-27, Jun 64  
Changes of blood elements and the circulatory system in climbing. II. Sumiyoshi K, et al. *Jap Circ J* 28:661-8, Sep 64

KIDNEY

Androgen regulation of mouse kidney ribonucleases. Kochakian CD, et al. *Acta Endocr (Kobenhavn)* 46:179-84, Jun 64  
Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. Kochakian CD. *Acta Endocr (Kobenhavn)* 46:Suppl 92:1-16, 1964  
Effects of guanethidine on renal function. Abrahamson AM, et al. *Acta Med Scand* 178:59-63, Jul 64  
Intentional embolism in selective renal arteriography. An experimental study in dogs. Edling NP, et al. *Acta Radiol (Diagn) (Stockholm)* 2:316-20, Jul 64  
Cell proliferation in experimental hydronephrosis and compensatory renal hyperplasia. Benitez L, et al. *Amer J Path* 44:961-72, Jun 64  
The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. *Amer J Path* 44:921-30, Jun 64  
Differential effects of heat on splenic and renal vascular beds. Gillenwater JY, et al. *Amer J Physiol* 207:133-6, Jul 64  
Effect of aldosterone and cortisol on sodium and water content of the rat kidney. Kessler E, et al. *Amer J Physiol* 207:109-12, Jul 64  
Effects of cyanide, Qo, and dinitrophenol on renal sodium reabsorption and oxygen consumption. Fujimoto M, et al. *Amer J Physiol* 206:1327-32, Jun 64  
Urea production and excretion by the chicken kidney. Owen EE, et al. *Amer J Physiol* 206:1321-6, Jun 64  
Abolition of autoregulation of renal blood flow by acetylcholine. Nahmod VE, et al. *Amer J Physiol* 207:123-7, Jul 64  
Efflux of organic acids from rabbit kidney cortex. Despopoulos A, et al. *Amer J Physiol* 207:118-22, Jul 64  
Arterial hematocrit and separation of cells and plasma in the dog kidney. Chinard FP, et al. *Amer J Physiol* 207:128-32, Jul 64  
A micropuncture evaluation of renal ammonia excretion in the rat. Hayes CP Jr, et al. *Amer J Physiol* 207:77-83, Jul 64  
Effect on kidney S35O4 uptake of compounds related to SO4 transport and metabolism. Deyrup IJ. *Amer J Physiol* 207:84-8, Jul 64  
Preservation of volatile anesthetics in blood and tissue. Lowe HJ. *Anesthesiology* 25:566-8, Jul-Aug 64  
Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. Hoch-Ligeti C, et al. *Brit J Cancer* 18:271-84, Jun 64  
Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:700-21, May 64  
Enzyme patterns in human tissues. II. Glycolytic

enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64  
Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macheth RA, et al. *Cancer Res* 24:614-8, May 64  
Influence of alkylating agents on kidney erythropoietin production. Fisher JW, et al. *Cancer Res* 24:983-8, Jul 64  
Two important frontiers in renal physiology. Davis JO. *Circulation* 30:1-6, Jul 64  
Haemodynamics and oxygen consumption of the kidney in post-ischaemic renal failure. Bálint P, et al. *Clin Sci* 26:471-7, Jun 64  
The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. Jick H, et al. *Clin Sci* 26:397-403, Jun 64  
The action of aldosterone and ouabain on the sodium and potassium content of the cortex and papilla of rat kidney in vitro. Platts MM. *Clin Sci* 26:405-14, Jun 64  
Pyridoxamine-oxaloacetic transaminase of rat kidney. Wu HL, et al. *J Biol Chem* 239:1492-7, May 64  
Determination of organ volumes by scintillation scanning. Spencer RP. *J Nucl Med* 5:444-52, Jun 64  
An antithyrotic assay based upon the response of rat liver alpha-glycerophosphate dehydrogenase. Richert DA, et al. *J Nutr* 83:332-42, Aug 64  
The counter current system and osmotic diuresis. Lilien OM, et al. *J Urol* 92:9-16, Jul 64  
Calcium or phosphate? *Lancet* 2:895-6, 24 Oct 64  
Metabolism of thyroglobulin-I-131 in the guinea pig in vivo and in vitro. Gilboa Y, et al. *Metabolism* 13:661-8, Jul 64  
Correlation between kidney muramidase activity and plasma iron removal in rats with Walker-256 carcinosarcoma. Kretschmar AL, et al. *Proc Soc Exp Biol Med* 116:275-7, Jun 64  
Effect of vagotomy on renal function during water diuresis. Perlmutt JH. *Proc Soc Exp Biol Med* 116:270-3, Jun 64  
Tolerance to chronic hemolysis. Castaneda AR, et al. *Surg Forum* 15:84-6, 1964  
Hypoosmotic reduction of ammonia release into the circulation by the kidney. Keirle AM, et al. *Surg Forum* 15:102-3, 1964  
Hepatic anoxia and stimulation of hepatic nerves on renal hemodynamics and function. Hori M, et al. *Surg Forum* 15:108-9, 1964  
Effects of vasopressors and blocking agents on the kidney in oligemia. Gjojubs RW, et al. *Surg Forum* 15:12-3, 1964  
Use of hydrogen peroxide as a source of oxygenation in the perfusion of isolated organs. Dritsas C, et al. *Surg Forum* 15:275-7, 1964  
Effect of mannitol on renal tissue osmolarity. Long DD, et al. *Surg Forum* 15:15-6, 1964  
Factors influencing renal blood flow during isolated perfusion. Belzer FO, et al. *Surg Forum* 15:222-4, 1964

KIDNEY, ARTIFICIAL

Acute aniline poisoning treated by hemodialysis. Report of a case. Lubash GD, et al. *Arch Intern Med (Chicago)* 114:530-2, Oct 64  
Intraocular pressure changes during artificial kidney therapy. Sitprija V, et al. *Arch Ophthalm (Chicago)* 72:626-31, Nov 64  
Use of a modified minicoil for continuous dialysis. Blackmore DJ, et al. *Brit Med J* 5413:847-50, 3 Oct 64  
Hemodialysis in the home. Merrill JP, et al. *JAMA* 190:468-70, 2 Nov 64  
Experience with the minicoil artificial kidney. Jones ES, et al. *Lancet* 2:758-9, 3 Oct 64

KIDNEY CALCULI

Hyperparathyroidism and uric acid lithiasis: a report of two cases. Frank M, et al. *Brit J Urol* 36:184-6, Jun 64  
Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64

KIDNEY DISEASES

Isotope nephrography with 131-I "hippuran". I. Technique and experience in various medical renal diseases. Krogsgaard AR, et al. *Acta Med Scand* 178:17-29, Jul 64  
Pyelo-ureteritis cystica. Mayall GF. *Brit J Radiol* 37:567-8, Jul 64  
A case of hemipyonephrosis in a duplicated kidney presenting in middle age. Ross KF. *Brit J Urol* 36:191-3, Jun 64  
Spirinolactone and plasma cortisol. Metcalf MG. *Brit Med J* 5418:1201, 7 Nov 64  
Anticoagulants: another view. Verel D. *Brit Med J* 5417:1135, 31 Oct 64  
Pathological anatomy of acute hypertension of pregnancy. McCartney CP. *Circulation* 30:Suppl 2:37-42, Aug 64  
Renal biopsy and its clinical correlation in toxemia of pregnancy. Altchek A. *Circulation* 30:Suppl 2:43-51, Aug 64  
Angiotensin skin test and its relation to hypertension



in man. Hradcová L, et al. *Helv Paediat Acta* 19:87-98, Jun 64

Mineral analysis of the fourth lumbar vertebra in health and renal failure. Kaye M. *J Clin Invest* 43:1367-71, Jul 64

Horseshoe kidney and calcific stenosis of the underlying terminal aorta in a newborn infant: report of a case. Cronk RV, et al. *J Urol* 92:6-8, Jul 64

Analgesic abuse and the kidney--a commentary. *JAMA* 190:238-9, 19 Sep 64

Hemodialysis in the home. Merrill JP, et al. *JAMA* 190:468-70, 2 Nov 64

Hypokalemic paralysis induced by amphotericin B. McChesney JA, et al. *JAMA* 189:1029-31, 28 Sep 64

Production of the generalized Schwartzman reaction in pregnant rats by intravenous infusion of thrombin. Margaretten W, et al. *Lab Invest* 13:552-9, Jun 64

Nephropathy in essential familial hyperlipaemia. Khachadurian AK, et al. *Lancet* 2:911-2, 24 Oct 64

Acute renal changes after oral cholecystography. Rennie ID. *Lancet* 2:645, 19 Sep 64

Subclinical polyneuropathy in renal insufficiency. Preswick G, et al. *Lancet* 2:731-2, 3 Oct 64

Case records of the Massachusetts General Hospital: weekly clinicopathological exercises: Case 52-1964. *New Eng J Med* 271:898-905, 22 Oct 64

Renal arteriography. Sutton D. *Proc Roy Soc Med* 57:661-4, Aug 64

Calcification of the ovarian follicle in rats. Grob HS, et al. *Proc Soc Exp Biol Med* 116:766-8, Jul 64

Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schencker B. *Radiology* 83:12-21, Jul 64

Hypokalemic nephropathy of vomiting. Galloway NC, et al. *Southern Med J* 57:1303-8, Nov 64

The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64

A congenital anomaly of the aorto-iliac bifurcation. Haefen FF van. *Vasc Dis* 1:109-12, Mar 64

[Diseases with autoantibodies. Clinical and experimental data] Mikol C, et al. *Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)

## KIDNEY FUNCTION TESTS

Mercurptomerin effect on p-aminohippurate transport in man and pentobarbitalized dog. Letteri JM, et al. *Amer J Physiol* 206:1379-83, Jun 64

Relationship of maximal tubular phosphate reabsorption to dietary phosphate in the dog. Hellman D, et al. *Amer J Physiol* 207:97-103, Jul 64

Relationship of maximal tubular phosphate reabsorption to filtration rate in the dog. Hellman D, et al. *Amer J Physiol* 207:89-96, Jul 64

The effect of angiotensin on the function of the separate kidneys in patients with unilateral renal artery stenosis. Brown JJ, et al. *Clin Sci* 26:381-95, Jun 64

Correlation of renal clearance techniques in dogs: para-aminohippuric acid compared with radio-iodinated hippuran. Greenlaw RH, et al. *J Nucl Med* 5:453-61, Jun 64

Endogenous-creatinine clearance and glomerular-filtration rate. Berlyne GM, et al. *Lancet* 2:874-6, 24 Oct 64

Fluorometric microanalysis of plasma hippuric acid and comparison of hippurate with p-aminohippurate clearances in dogs. Elliott HC, et al. *Proc Soc Exp Biol Med* 116:268-70, Jun 64

Effects of minimal blood volume changes on renal blood flow. King TC, et al. *Surg Forum* 15:494-6, 1964

Direct and indirect measurement of renal blood flow in the pathophysiology of acute renal failure. Isla F, et al. *Surg Forum* 15:492-4, 1964

Effect of angiotensin on the iodine 131 sodium O-iodohippurate renogram in hypertensive patients. Wax SH, et al. *Surg Forum* 15:498-9, 1964

## KIDNEY GLOMERULUS

Pathological anatomy of acute hypertension of pregnancy. McCartney CP. *Circulation* 30:Suppl 2:37-42, Aug 64

Renal biopsy and its clinical correlation in toxemia of pregnancy. Altchek A. *Circulation* 30:Suppl 2:43-51, Aug 64

Renal glomerular osteodystrophy. Craven JD. *Clin Radiol* 15:210-8, Jul 64

Electron microscopy of the diffuse glomerular lesion in diabetes mellitus with special reference to early changes. Lannigan R, et al. *J Path Bact* 88:255-61, Jul 64

Production of the generalized Schwartzman reaction in pregnant rats by intravenous infusion of thrombin. Margaretten W, et al. *Lab Invest* 13:552-9, Jun 64

Counter-currents, growth and concentration of the urine. McCredie D. *Med J Aust* 2:332-5, 29 Aug 64

## KIDNEY NEOPLASMS

A case of mercury poisoning following the use of perchloride of mercury. Royle JP. *Aust New Zeal J Surg* 34:71-2, Aug 64

Tryptophan-nicotinic acid metabolism in patients with

tumours of the bladder and kidney. Alifano A, et al. *Brit J Cancer* 18:386-9, Jun 64

Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64

The role of radiotherapy in the treatment of tumours in children. Pearson D. *J Clin Path* 17:423-6, Jul 64

Pathology of tumours in children. Steward JK. *J Clin Path* 17:407-10, Jul 64

Stupor, hypercalcemia and carcinoma of the renal pelvis. Bourne HH, et al. *New Eng J Med* 271:1005-6, 5 Nov 64

Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schencker B. *Radiology* 83:12-21, Jul 64

## KIDNEY PELVIS

Relationship of blood flow in the kidney to the homograft reaction. Cohn R, et al. *Amer J Surg* 108:245-9, Aug 64

Stupor, hypercalcemia and carcinoma of the renal pelvis. Bourne HH, et al. *New Eng J Med* 271:1005-6, 5 Nov 64

## KIDNEY, POLYCYSTIC

Cystic disease of the renal pyramids (medullary sponge kidney). Lowen W, et al. *Clin Radiol* 15:271-8, Jul 64

Subclinical polyneuropathy in renal insufficiency. Preswick G, et al. *Lancet* 2:731-2, 3 Oct 64

## KIDNEY, SPONGE

Cystic disease of the renal pyramids (medullary sponge kidney). Lowen W, et al. *Clin Radiol* 15:271-8, Jul 64

## KIDNEY TRANSPLANTATION

Relationship of blood flow in the kidney to the homograft reaction. Cohn R, et al. *Amer J Surg* 108:245-9, Aug 64

Studies on prolonged homograft survival: a new method of approach. Jolley WB, et al. *Amer J Surg* 108:239-44, Aug 64

Study of renal vessels by microdissection in human transplantation. Darmady EM, et al. *Brit Med J* 5415:976-8, 17 Oct 64

Rejection processes in human homotransplanted kidneys. Dempster WJ, et al. *Brit Med J* 5415:968-76, 17 Oct 64

Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. Kolff WJ, et al. *Circulation* 30:Suppl 2:23-35, Aug 64

Vascular changes in renal homografts. Dunea G, et al. *JAMA* 190:199-202, 19 Sep 64

Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al. *New Eng J Med* 271:1021-7, 12 Nov 64

Massive diuresis following renal homotransplantation. Magee JH, et al. *Proc Soc Exp Biol Med* 116:480-3, Jun 64

Subcellular transplantation antigen derived from dog spleen cells cultivated in vitro. Mannick JA, et al. *Proc Soc Exp Biol Med* 116:445-8, Jun 64

Importance of preventing renal vascular collapse during period of renal ischemia in kidney transplantation. Mundth ED, et al. *Surg Forum* 15:219-21, 1964

Prolonged functional survival of dog renal grafts with local radiation. Martin DC, et al. *Surg Forum* 15:156-8, 1964

Antigen-antibody reactions involved in transplantation phenomena. Burrows L, et al. *Surg Forum* 15:135-7, 1964

Selective immunosuppression by local radiation of renal homografts. Lee HM, et al. *Surg Forum* 15:158-60, 1964

Differential skin and renal homograft survival in dogs on immunosuppressive therapy. Sheil AG, et al. *Surg Forum* 15:166-8, 1964

Splenectomy in immunosuppressive regimens in dog and man. Veith FJ, et al. *Surg Forum* 15:161-3, 1964

Influence of mannitol infusion upon extracorporeal renal storage. Hoffman A, et al. *Surg Forum* 15:500-1, 1964

Role of the red blood cell antigens in homograft rejection. Jacobson E Jr, et al. *Surg Forum* 15:138-9, 1964

Complement fixation during homograft rejection. Clark DS, et al. *Surg Forum* 15:144-6, 1964

Blood flow patterns in first and second set renal homografts. Jackson BT, et al. *Surg Forum* 15:171-2, 1964

Significance of lymphocyturia in renal homograft rejection. Kauffman HM, et al. *Surg Forum* 15:168-70, 1964

## KIDNEY TUBULES

Acute renal failure due to tubular necrosis, immediate

prognosis and complications. Lunding M, et al. *Acta Med Scand* 176:103-19, Jul 64

Stop-flow analysis of the influence of pCO<sub>2</sub> on renal tubular transport of K and H. Ramsay AG. *Amer J Physiol* 206:1355-60, Jun 64

Relationship of maximal tubular phosphate reabsorption to dietary phosphate in the dog. Hellman D, et al. *Amer J Physiol* 207:97-103, Jul 64

A micropuncture study of the renal concentrating defect of potassium depletion. Bank N, et al. *Amer J Physiol* 206:1347-54, Jun 64

Effect of sodium lactate on urate clearance in the Dalmatian and in the mongrel. Reem GH, et al. *Amer J Physiol* 207:113-7, Jul 64

A micropuncture evaluation of renal ammonia excretion in the rat. Hayes CP Jr, et al. *Amer J Physiol* 207:77-83, Jul 64

Relationship of maximal tubular phosphate reabsorption to filtration rate in the dog. Hellman D, et al. *Amer J Physiol* 207:89-96, Jul 64

The uptake of fluorescent labelled proteins by normal and tumour tissues in vivo. Easty GC. *Brit J Cancer* 18:368-77, Jun 64

Renal tubular effects of ethacrynic acid. Earley LE, et al. *J Clin Invest* 43:1495-506, Jul 64

Experimental hydronephrosis: morphologic and enzymatic studies of renal tubules in ureteric obstruction and recovery in the rat. II. Pentose phosphate pathway. Kissane JM, et al. *Lab Invest* 13:547-51, Jun 64

Experimental hydronephrosis: morphologic and enzymatic studies on renal tubules in ureteric obstruction and recovery in the rat. I. Alkaline and acid phosphatases. Kissane JM, et al. *Lab Invest* 13:539-46, Jun 64

Counter-currents, growth and concentration of the urine. McCredie D. *Med J Aust* 2:332-5, 29 Aug 64

Case records of the Massachusetts General Hospital: weekly clinicopathological exercises: Case 52-1964. *New Eng J Med* 271:898-905, 22 Oct 64

Radioautographic localization of estrogen in the hamster kidney. Tucker KR, et al. *Surg Forum* 15:393-4, 1964

## KIMMELSTIEL-WILSON SYNDROME

[Diabetes mellitus with normal blood sugar, hypokalaemia and low serum cholesterol] *S Afr Med J* 38:700-4, 29 Aug 64 (Af)

## KLEBSIELLA

Bilateral subdural empyema. Report of a case with arteriograms. Genest AS, et al. *J Neurosurg* 20:524-6, Jun 63

## KLINEFELTER'S SYNDROME

Klinefelter's syndrome with the XXY sex chromosome complex. With particular reference to prepubertal diagnosis. Robinson GC, et al. *J Pediat* 65:226-32, Aug 64

Some aspects of chromosome mosaicism in clinical medicine. Blank CE. *Lancet* 2:903-6, 24 Oct 64

Klinefelter's syndrome and behaviour. Pritchard M. *Lancet* 2:762-3, 3 Oct 64

["True" and "false" Klinefelter syndromes] Riviere J, et al. *Presse Med* 72:2511-3, 17 Oct 64 (Fr)

## KLIPPEL-FEIL SYNDROME

Encanthosis. Ffooks OO. *Brit J Ophthal* 47:500-3, Aug 63

## KNEE

Malignant synovioma in a cow. Dungworth DL, et al. *J Path Bact* 88:83-7, Jul 64

## KNEE INJURIES

Osteochondral fractures of the lateral femoral condyle. Rosenberg NJ. *J Bone Joint Surg [Amer]* 46:1013-26, Jul 64

## KORSAKOFF'S SYNDROME

Korsakoff-like psychosis associated with benzodiazepine overdosage. Hallberg RJ, et al. *Amer J Psychiat* 121:188-9, Aug 64

## KREBS CYCLE

Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64

The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64



## KRYPTON

Measurement of myocardial blood flow in animals and man by selective injection of radioactive inert gas into the coronary arteries. Ross RS, et al. *Circ Res* 15:28-41, Jul 64

Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. Holzmann GB, et al. *Circulation* 30:27-34, Jul 64

## KURU

Neuropathologic findings in exotic neurologic disorders among natives of the highlands of New Guinea. Neumann MA, et al. *J Neuropath Exp Neurol* 23:486-507, Jul 64

## KWASHIORKOR

Notes on ecologic malnutrition in the New Guinea Highlands. Jelliffe DB, et al. *Clin Pediat (Phila)* 3:432-8, Jul 64

## KYNURENIC ACID

Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64

Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al. *Cancer Res* 24:582-5, May 64

## KYNURENINE

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64

Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64

## KYPHOSIS

Segmental vertebrotomy. Tsvivan YL. *J Int Coll Surg* 42:404-7, Oct 64

## LABOR

Labour following caesarean section in a primitive community. A study of 801 patients. Mitford-Barberton GD, et al. *J Obstet Gynaec Brit Comm* 71:469-73, Jun 64

Uterine action in East African parturients. Hyslop CM. *J Obstet Gynaec Brit Comm* 71:474-5, Jun 64

The Hong Kong Chinese female bony pelvis and its influence on labour. A radiographic and clinical study of 1,005 women. Chun D, et al. *J Obstet Gynaec Brit Comm* 71:556-64, Aug 64

Some pituitary-ovarian relationships in the periparturient cow. Labhsetwar AP, et al. *J Reprod Fertil* 8:85-90, Aug 64

Isolimmunization of the Rh-negative mother during the third stage of labor. Clark TL, et al. *Obstet Gynec* 23:764-7, May 64

Obstetrics in adolescents: a controlled study of deliveries by mothers 15 years of age and under. Huika JF, et al. *Obstet Gynec* 23:678-85, May 64

Placental permeability to sucrose: a source of error in measuring volumes of sucrose distribution in gravidas. Chesley LC, et al. *Obstet Gynec* 23:795-8, May 64

## LABOR COMPLICATIONS

Use of low-molecular-weight dextran in management of foetal distress in labour. Jones JB. *Brit Med J* 5414:909-10, 10 Oct 64

Acute inversion of the urinary bladder in labour. Sutherland JC, et al. *Brit Med J* 5415:991-2, 17 Oct 64

Uterine reimplantation in dogs. Hamernik RJ, et al. *Surg Forum* 15:383-5, 1964

## LABOR, INDUCED

Effect of intra-amniotic administration of progesterone and 6-methyl-17-acetoxy-progesterone on oxytocin-induced labour in rabbits. Fuchs AR. *Acta Endocr (Copenhagen)* 46:235-44, Jun 64

Ruptured uterus after buccal oxytocin. Chalmers JA, et al. *Brit Med J* 5416:1070, 24 Oct 64

The obstetrician bids, and the uterus contracts. Molr JC. *Brit Med J* 5416:1025-9, 24 Oct 64

Ruptured uterus after buccal oxytocin. Nicholson HO. *Brit Med J* 5413:876-7, 3 Oct 64

Buccal oxytocin. Best FA. *Brit Med J* 5414:942, 10 Oct 64

## LABYRINTH

Electron microscopic studies on the functions of the stria vascularis and the spiral ligament in the inner ear. Yamamoto K, et al. *Ann Otol* 73:332-47, Jun 64

General anesthesia in the ultrasound irradiation of the posterior labyrinth in severe Meniere's disease. Arslan M, et al. *Ann Otol* 73:328-31, Jun 64

Irrigation of open vestibule in stapes surgery. A clinical and experimental study. Kerth JD, et al. *Arch Otolaryng (Chicago)* 80:392-7, Oct 64

## LABYRINTH DISEASES

Epidemic vertigo. James T. *S Afr Med J* 58:709-10, 29 Aug 64

## LACRIMAL APPARATUS

An aid to repair of lacerated tear ducts. Morrison FD. *Arch Ophthalmol (Chicago)* 72:341-2, Sep 64

Oculoposporidiosis: rhinosporidiosis of the eye. Kuriakose ET. *Brit J Ophthalmol* 47:346-9, Jun 63

Congenital trigeminal anaesthesia. Hewson EG. *Brit J Ophthalmol* 47:308-11, May 63

Malignant melanoma of the lacrimal sac. Duguld IM. *Brit J Ophthalmol* 48:394-8, Jul 64

Current developments in ophthalmology. The ocular effects of autonomic surgery. Golding-Wood PH. *Proc Roy Soc Med* 57:494-7, Jun 64

## LACRIMAL DUCT OBSTRUCTION

Incidence of idiopathic acquired obstructions in the lacrimal drainage apparatus. Dalgleish R. *Brit J Ophthalmol* 48:373-6, Jul 64

Polythene tubes in canaliculus surgery. Griffith TP. *Brit J Ophthalmol* 47:203-10, Apr 63

Papillary cystadenoma of lacrimal caruncle. Forbes GB, et al. *Brit J Ophthalmol* 47:177-9, Mar 63

Dacryocystitis in acute leukaemia. Cant JS. *Brit J Ophthalmol* 47:57-9, Jan 63

## LACTATE DEHYDROGENASE

Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. Hoch-Ligeti C, et al. *Brit J Cancer* 18:271-84, Jun 64

Histochemistry of the retina in the alloxan-diabetic rat. Newell FW, et al. *Brit J Ophthalmol* 47:596-600, Oct 63

Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al. *Brit Med J* 5417:1108-11, 31 Oct 64

Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al. *Brit Med J* 5417:1108-11, 31 Oct 64

Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. *Cancer Res* 24:570-81, May 64

Lactic dehydrogenases of *Pseudomonas natriegens*. Walker H, et al. *J Bact* 88:25-30, Jul 64

The lactic dehydrogenases of yeast. V. Chemical properties and function of the zinc component of D-lactic cytochrome reductase. Cremona T, et al. *J Biol Chem* 239:1466-73, May 64

The lactic dehydrogenases of yeast. IV. D-alpha-Hydroxy acid dehydrogenase. Cremona T. *J Biol Chem* 239:1457-65, May 64

Kinetic investigations of yeast L-lactate dehydrogenase (cytochrome b2). I. The dehydrogenation of L-lactate in the presence and absence of ferricyanide as electron acceptor. Morton RK, et al. *J Biol Chem* 239:1614-24, May 64

Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64

Variations in the enzyme histochemistry of the placenta. Curzen P. *J Obstet Gynaec Brit Comm* 71:388-99, Jun 64

Urea cycle adaptations in intact and adrenalectomized rats. Freedland RA. *Proc Soc Exp Biol Med* 116:692-6, Jul 64

Comparison of a lactate dehydrogenase elevating virulike agent and Eperythrozoon coccidiosis. Riley V, et al. *Proc Soc Exp Biol Med* 116:486-90, Jun 64

Alterations in serum lactic dehydrogenase and its isozymes in patients with prostatic carcinoma after hormonal therapy. Prout GR Jr, et al. *Surg Forum* 15:486-8, 1964

## LACTATES

Transient arterial lactic acid changes in unanesthetized dogs at 21,000 feet. Cain SM, et al. *Amer J Physiol* 208:1437-40, Jun 64

Effect of sodium lactate on urate clearance in the Dalmatian and in the mongrel. Reem GH, et al. *Amer J Physiol* 207:113-7, Jul 64

Studies on the mechanism of retinal neovascularization. Role of lactic acid. Imre G. *Brit J Ophthalmol* 48:75-82, Feb 64

Blood volume changes in patients with burns treated

with either colloid or saline solutions. Davies JW. *Clin Sci* 26:429-43, Jun 64

Balance and kinetics of anaerobic energy release during strenuous exercise in man. Margaria R, et al. *J Appl Physiol* 19:623-8, Jul 64

Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. Larsson Y, et al. *J Appl Physiol* 19:629-35, Jul 64

Continuous measurement of ventilatory exchange ratio during exercise. Naimark A, et al. *J Appl Physiol* 19:644-52, Jul 64

Bound intracellular glycolic and D-lactic acids in *Mycobacterium ranae*. Fowler AV, et al. *J Bact* 87:1528-9, Jun 64

Respiratory pathways in the *Mycoplasma*. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64

Bound intracellular glycolic and D-lactic acids in *Mycobacterium ranae*. Fowler AV, et al. *J Bact* 87:1528-9, Jun 64

Respiratory pathways in the *Mycoplasma*. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64

Kinetic investigations of yeast L-lactate dehydrogenase (cytochrome b2). I. The dehydrogenation of L-lactate in the presence and absence of ferricyanide as electron acceptor. Morton RK, et al. *J Biol Chem* 239:1614-24, May 64

Excess lactate in cyanotic dogs during hyperbaric oxygenation. Zaroff LI, et al. *Surg Forum* 15:202-3, 1964

Metabolic responses to various vasoactive and cardiotonic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964

Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. Schumer W, et al. *Surg Forum* 15:76-8, 1964

## LACTATION

Characterization of a transplantable lactating mammary tumor: endocrinological, morphological, and biochemical aspects. Hilf R, et al. *Cancer Res* 24:812-23, Jun 64

Differential responsiveness to hormones of CSH and A mouse mammary tissues in organ culture. Rivera EM. *Endocrinology* 74:853-64, Jun 64

Influence of the nursing stimulus upon thyroid hormone secretion in the lactating rat. Grosvenor CE. *Endocrinology* 75:15-21, Jul 64

The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64

Interchangeability of adrenocortical hormones in initiating mammary secretion in vitro. Rivera EM. *Proc Soc Exp Biol Med* 116:568-72, Jul 64

In vitro lactogen production by anterior pituitaries from lactating rats and estrous cyclic rats. Gala RR, et al. *Proc Soc Exp Biol Med* 116:637-41, Jul 64

Effects of parathyroid extract, calciferol, hytakerol and crystalline dihydrotyrosylchylsterol on feed consumption in normal lactating rats. Djojosebaglo S, et al. *Proc Soc Exp Biol Med* 116:646-8, Jul 64

## LACTATION DISORDERS

Thiopropazine-induced lactation. Mendels J. *Amer J Psychiat* 121:190-1, Aug 64

## LACTOBACILLUS

Quantitative studies on glycolytic enzymes in *Lactobacillus plantarum*. II. Intracellular concentrations of glycolytic intermediates in glucose-metabolizing washed cells. Mizushima S, et al. *J Bact* 87:1429-35, Jun 64

Effect of polyamine structure on growth stimulation and spermine and spermidine content of lactic acid bacteria. Guirard BM, et al. *J Bact* 88:72-80, Jul 64

Quantitative studies on glycolytic enzymes in *Lactobacillus plantarum*. II. Intracellular concentrations of glycolytic intermediates in glucose-metabolizing washed cells. Mizushima S, et al. *J Bact* 87:1429-35, Jun 64

## LACTOSE

Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64

Disaccharide intolerance and mucoviscidosis. Nordlo S, et al. *Lancet* 2:819, 10 Oct 64

## LANATOSIDES

[Cardiologic emergencies in childhood] Heintzen P. *Deutsch Med Wochr* 89:1477-82, 31 Jul 64 (Ger)



## LANGUAGE

Falling apart: the verbalization of ego failure. Palombo SR, et al. *Psychiatry* 27:248-58, Aug 64

## LANTHANUM

The use of lanthanum to study the degradation of a proteinopolysaccharide from cartilage. Doganges PT, et al. *J Biol Chem* 239:1498-503, May 64

## LARVA MIGRANS

Creeping eruption and thiabendazole. In vitro studies. Hitch JM. *Arch Derm (Chicago)* 90:418-20, Oct 64

## LARYNGEAL CARTILAGES

Treatment of post-crioid carcinoma by combined intravivitory and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64

Treatment of post-crioid carcinoma by combined intracavitary and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64

## LARYNGEAL NEOPLASMS

Cartilaginous tumors of the larynx. Putney FJ, et al. *Ann Otol* 73:370-80, Jun 64

The current status of radiotherapy in carcinoma laryngis. Garland LH. *Ann Otol* 73:488-500, Jun 64

Treatment of post-crioid carcinoma by combined intravivitory and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64

Treatment of post-crioid carcinoma by combined intracavitary and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64

## LARYNGECTOMY

Experiences with partial laryngopharyngectomy. Skolnik EM, et al. *Ann Otol* 73:417-25, Jun 64

## LARYNX

Clinical application of recent advances in laryngeal physiology. Arnold GE. *Ann Otol* 73:426-42, Jun 64

The effect of hypothyroidism on the larynx of the rat. An explanation for hoarseness associated with hypothyroidism in the human. Ritter FN. *Ann Otol* 73:404-16, Jun 64

Experiences with partial laryngopharyngectomy. Skolnik EM, et al. *Ann Otol* 73:417-25, Jun 64

Partitioning of respiratory flow resistance in man. Ferris BG Jr, et al. *J Appl Physiol* 19:653-8, Jul 64

## LASERS

Laser coagulation of ocular tissues. Flocks M, et al. *Arch Ophthalmol (Chicago)* 72:804-11, Nov 64

Studies in photocoagulation. IV. Laser photocoagulator. Pomerantzeff O. *Brit J Ophthalmol* 48:315-7, Jun 64

Studies in photocoagulation. 3. Laser sources of energy. Pomerantzeff O. *Brit J Ophthalmol* 48:311-4, Jun 64

Tumoricidal factor in laser radiation. Minton JP, et al. *Surg Forum* 15:335-6, 1964

Micro-analysis of bone by laser microprobe. Lithwick NH, et al. *Surg Forum* 15:439-41, 1964

Non-occlusive small arterial anastomosis with a neodymium laser. Yahr WZ, et al. *Surg Forum* 15:224-6, 1964

## LATEX FIXATION TESTS

Modified immunologic test for pregnancy. Henry JB, et al. *Amer J Clin Path* 42:109-13, Jul 64

## LATHYRISM

Experimental lathyrism: apparent antithesis of aging in connective tissue. Bickley H. *J Amer Geriatr Soc* 12:717-30, Aug 64

Accumulation of iron in subcutaneous sponge implants in normal and lathyratic rats. Dasler W, et al. *Metabolism* 13:579-82, Jun 64

The role of host connective tissue in controlling local tumor invasion. Madden RE, et al. *Surg Forum* 15:340-2, 1964

Wound healing defect in lathyrism. Berberian GM, et al. *Surg Forum* 15:50-2, 1964

## LE CELLS

Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al. *Arch Derm (Chicago)* 90:377-86, Oct 64

## LEAD

The effect of lead on the fragility of the red cell incubated in vitro. Waldron HA. *J Clin Path* 17:405-6, Jul 64

Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. Schroeder HA, et al. *J Nutr* 83:239-50, Jul 64

## LEAD POISONING

Lead poisoning during pregnancy. Fetal tolerance of calcium disodium edetate. Angle CR, et al. *Amer J Dis Child* 108:436-9, Oct 64

Studies on lead poisoning in Argentina. Singerman A. *Arch Environ Health (Chicago)* 9:464-72, Oct 64

## LECITHINS

The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. Bressler R, et al. *J Biol Chem* 239:1364-8, May 64

Phospholipid patterns in livers accumulating fat. Snyder F, et al. *Proc Soc Exp Biol Med* 116:459-62, Jun 64

[The antigen-antibody reaction of isolated tissue mast cells and the complement system] Keller R. *Int Arch Allerg* 24:Suppl:13-4, 1964 (Ger)

## LEG

The accuracy of orthoroentgenographic measurements. Nordentoft EL. *Acta Orthop Scand* 34:283-8, 1964

Completion of growth in the lower limbs in relation to biological development menarche, and inherited factors. Nordentoft EL. *Acta Orthop Scand* 34:213-24, 1964

False signs of thrombosis in lower leg phlebography. Almén T, et al. *Acta Radiol [Diagn] (Stockholm)* 2:34 52, Jul 64

Sedentary leg-pain: ischaemia from narrowing on hip flexion of femoral arteries stiffened by atheroma. Rudolf ND, et al. *Brit Med J* 5413:863, 3 Oct 64

Post-partum eclampsia complicated by the anterior tibial syndrome. Manson IW. *Brit Med J* 5417:1117-8, 31 Oct 64

The lymphatic drainage of the leg and its implications. Ngu VA. *Clin Radiol* 15:197-201, Jul 64

Cervical myelopathy with fasciculations in the lower extremities. King RB, et al. *J Neurosurg* 20:948-52, Nov 63

Malignant synovioma in a cow. Dungworth DL, et al. *J Path Bact* 88:83-7, Jul 64

## LEIOMYOMA

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-6, Aug 64

Orbital leiomyoma and its origin. Nath K, et al. *Brit J Ophthalmol* 47:369-71, Jun 63

Myomectomy for improvement of fertility. Stevenson CS. *Fertil Steril* 15:367-84, Jul-Aug 64

## LEIOMYOSARCOMA

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-6, Aug 64

Roentgenogram of the month. Gerle RD, et al. *Dis Chest* 46:89-90, Jul 64

Resection and ligation of the suprarenal inferior vena cava. Caplan BB, et al. *J Urol* 92:25-9, Jul 64

## LEISHMANIASIS, VISCERAL

Fluorescent antibody test for the serodiagnosis of visceral leishmaniasis. Duxbury RE, et al. *Amer J Trop Med* 13:525-9, Jul 64

## LENS, CRYSTALLINE

Selected topics in ophthalmic biochemistry. Kinoshita JH. *Arch Ophthalmol (Chicago)* 72:554-72, Oct 64

Human lens proteins examined by immunochemical and ultracentrifugal techniques. DuPree AL, et al. *Arch Ophthalmol (Chicago)* 72:660-6, Nov 64

Distribution of breaks in aphakic and "senile" eyes with retinal detachments. Phillips CI. *Brit J Ophthalmol* 47:744-52, Dec 63

Posterior peripheral (eccentric) lenticonus: with a note on the evolution of lenticoni. Nath K, et al. *Brit J Ophthalmol* 47:760-3, Dec 63

Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. Nath K, et al. *Brit J Ophthalmol* 48:162-4, Mar 64

Congenital dislocation of the lens. Whiting M. *Brit J Ophthalmol* 47:54-6, Jan 63

Anti-lens antibody in human sera. Hackett E, et al. *Lancet* 2:663-6, 20 Sep 64

## LENSES

Correction of ametropia with intracorneal lenses. An experimental study. Belau PG, et al. *Arch Ophthalmol (Chicago)* 72:541-7, Oct 64

A test lens rack holder. Thorne Thorne B. *Brit J Ophthalmol* 48:57, Jan 64

## LEONTIASIS OSSIIUM

Orbital stenosis as a rare complication of cataract surgery in a case of leontiasis ossea. Czukrász I. *Brit J Ophthalmol* 47:173-6, Mar 63

## LEPROSY

Keratoplasty in the keratitis of leprosy. Jones RF. *Brit J Ophthalmol* 47:248-9, Apr 63

Field method for concentrating *Mycobacterium leprae* in skin biopsy specimens. Kar S, et al. *Int J Leprosy* 32:18-23, Jan-Mar 64

Gerhard Henrich Armauer Hansen. Address delivered at inauguration of the Armauer Hansen Memorial Room, February 18, 1962. (Hansen A), et al. *Int J Leprosy* 32:64-70, Jan-Mar 64

Reaction of the dermis in leprosy. Ridley DS, et al. *Int J Leprosy* 32:24-36, Jan-Mar 64

Myelinated figures in lepra cells examined by phase-contrast and electron microscopy. Nishiyama M, et al. *Int J Leprosy* 32:45-52, Jan-Mar 64

Resistance of antihistamine-treated guinea-pigs against infection with *Mycobacterium leprae* and *M. lepraemurium*. Kirchheimer WF. *Int J Leprosy* 32:1-8, Jan-Mar 64

Pattern of eye diseases in leprosy patients of Northern Ghana. Chatterjee S, et al. *Int J Leprosy* 32:53-63, Jan-Mar 64

Attempts at growth of *Mycobacterium leprae* in footpads of mice and guinea-pigs. Kirchheimer WF. *Int J Leprosy* 32:9-17, Jan-Mar 64

Squamous cell carcinoma arising in plantar ulcers in leprosy. Job CK, et al. *Int J Leprosy* 32:37-44, Jan-Mar 64

Leprosy presenting with nasal obstruction. Stanton MB. *J Laryng* 78:702-6, Jul 64

Sulphone resistance in leprosy. Corcos MG. *Lancet* 2:864-5, 17 Oct 64

Sulphone resistance in leprosy. An experimental and clinical study. Pettit JH, et al. *Lancet* 2:673-4, 20 Sep 64

Mycobacterial disease in man and animals. Studies on leprosy bacilli in man and animals. Rees RJ. *Proc Roy Soc Med* 57:482-3, Jun 64

## LEPTOSPIRA

Cultivation of leptospirae. II. Growth and lysis in synthetic medium. Stalheim OH, et al. *J Bact* 88:55-9, Jul 64

## LEPTOSPIRA CANICOLA

Cultivation of leptospirae. I. Nutrition of *Leptospira canicola*. Stalheim OH, et al. *J Bact* 88:48-54, Jul 64

## LEPTOSPIRA

## ICTEROHAEMORRHAGIAE

First isolations of leptospirae in cape town. Rademan J, et al. *S Afr Med J* 38:694-6, 29 Aug 64

## LEPTOSPIROSIS

Leptospirosis. *S Afr Med J* 38:692-4, 29 Aug 64

The occurrence of leptospirosis on Curaçao (Neth. Antilles). Vinke B, et al. *Trop Geogr Med* 16:187-9, Jun 64

[Leptospirosis] *S Afr Med J* 38:691-2, 29 Aug 64 (Af)

## LEUCINE

Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. Kochakian CD. *Acta Endocr (Copenhagen)* 46:Suppl 92:1-16, 1964

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendaal H, et al. *Cancer Res* 24:994-7, Jul 64

Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64

L-leucine sensitivity and glucose tolerance in normal subjects. Becker FO, et al. *J Clin Endocr* 24:554-9, Jun 64

Effect of protein intake on the ribonucleic acid of liver cell sap. Munro HN, et al. *J Nutr* 83:186-92, Jul 64

Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relations between isoleucine and leucine for growth. Chance RE, et al. *J Nutr* 83:177-85, Jul 64

Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64

Drug therapy in leucine-sensitive hypoglycemia. Drash A, et al. *Metabolism* 13:487-92, Jun 64

Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64



## LEUCONOSTOC

Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. Horn MJ, et al. *J Nutr* 83:267-72, Jul 64

## LEUKEMIA

Dacryocystitis in acute leukaemia. Cant JS. *Brit J Ophthalmol* 47:57-9, Jan 63  
End-product inhibition of thymidine kinase activity in normal and leukemic human leukocytes. Bresnick E, et al. *Cancer Res* 24:841-6, Jun 64  
Management of the child with a fatal disease. *Clin Pediatr (Phila)* 3:418-27, Jul 64  
Studies on testosterone metabolism. I. Conversion of testosterone-17-alpha-3H to 5-alpha- and 5-beta-androstane-3-alpha, 17-beta-deol-17-alpha-3H: a new "17-beta-hydroxyl pathway". Baulieu EE, et al. *J Biol Chem* 239:1569-77, May 64  
The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. Rosse WF, et al. *J Clin Invest* 43:1348-54, Jul 64  
Pathology of tumours in children. Steward JK. *J Clin Path* 17:407-10, Jul 64  
Cancer in pregnancy. Cade S. *J Obstet Gynaec Brit Comm* 71:341-8, Jun 64  
Transient congenital leukemia in 7 infants with mongolism. Engel RR, et al. *J Pediatr* 65:303-5, Aug 64  
Characteristics of cell proliferation in a patient with acute leukaemia. Mauer AM. *Lancet* 2:675-6, 20 Sep 64  
Benzene and leukemia. Vigliani EC, et al. *New Eng J Med* 271:872-6, 22 Oct 64  
Anti-leukaemic drugs. Innes J. *Practitioner* 193:101-6, Jul 64  
The relationship of enzymes and viruses to cancer. Introduction. Copeland MM. *Southern Med J* 57:1261-2, Nov 64

## LEUKEMIA, EXPERIMENTAL

Effect of pregnancy on spontaneous leukaemia in mice. Lecomde P. *Brit J Cancer* 18:317-21, Jun 64  
Serum properdin in tumor-bearing mice. II. The influence of tumors of different origin. Schwartz EE, et al. *Cancer Res* 24:830-4, Jun 64  
Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64  
Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. Rutman RJ, et al. *Cancer Res* 24:626-33, May 64  
Phagocytosis in vivo of heterologous red cells in mice with transplanted tumors. Stern K. *Cancer Res* 24:1063-9, Jul 64  
Early and late leukemias in rats after transplantation of leukemic cells from AKR mice. Kirsten WH, et al. *Cancer Res* 24:1056-62, Jul 64  
Potentiation of the anti-leukemic effects of 2-aminothiadiazole by isonicotinamide and derivatives. Oettgen HF, et al. *Cancer Res* 24:689-92, May 64  
An electron microscope study of rat leukemia induced with mouse leukemia virus (Gross). Dmochowski L, et al. *Cancer Res* 24:869-99, Jun 64  
Further studies of the immunological properties of Gross virus-induced lymphomas. Wahren B. *Cancer Res* 24:906-14, Jun 64  
Effect of administration of the enzyme glutaminase on the growth of cancer cells. Greenberg DM, et al. *Cancer Res* 24:957-63, Jul 64  
Properties of a lymphocytic leukemia agent isolated from Ha/ICR Swiss mice. Buffett RF, et al. *Proc Soc Exp Biol Med* 116:293-7, Jun 64

## LEUKEMIA L1210

Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64  
Metabolism and distribution of 9-beta-D-arabinofuranosyladenine in mouse tissues. Brink JJ, et al. *Cancer Res* 24:1042-9, Jul 64  
Potentiation of the anti-leukemic effects of 2-aminothiadiazole by isonicotinamide and derivatives. Oettgen HF, et al. *Cancer Res* 24:689-92, May 64

## LEUKEMIA, LYMPHOCYTIC

Chemotherapy of chronic lymphocytic leukemia. Kaung DT, et al. *Arch Intern Med (Chicago)* 114:521-4, Oct 64  
Failure of lymphocytes from hypogammaglobulinaemic subjects to transform in culture. Elves MW, et al. *Brit Med J* 5416:1051-2, 24 Oct 64  
The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. Rosse WF, et al. *J Clin Invest* 43:1348-54, Jul 64

In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. Hirschhorn K, et al. *Lancet* 2:842-3, 17 Oct 64  
Autologous marrow-transplant in acute lymphatic leukaemia producing spherocytic red cells. Leonard BJ, et al. *Lancet* 2:843-4, 17 Oct 64  
Anti-leukaemic drugs. Innes J. *Practitioner* 193:101-6, Jul 64  
Prolonged survival time of human leukemic lymphocytes in vitro. Schrek R. *Proc Soc Exp Biol Med* 116:298-300, Jun 64  
The use of endoxan in the treatment of cancer. A reply by Noristan Laboratories (PTY.) LTD. and Asta-Werke A.G. *S Afr Med J* 38:Suppl:1-6, 15 Aug 64

## LEUKEMIA, MONOCYTIC

Transient congenital leukemia in 7 infants with mongolism. Engel RR, et al. *J Pediatr* 65:303-5, Aug 64

## LEUKEMIA, MYELOCYTIC

Leukemic miliary nodules in the retina. Kuwabara T. *Arch Ophthalmol (Chicago)* 72:494-7, Oct 64  
Leukaemia and phenylbutazone. Chatterjee JB. *Brit Med J* 5413:875, 3 Oct 64  
The effect of 6-azauridine administration on de novo pyrimidine production in chronic myelogenous leukemia. Bono VH Jr, et al. *J Clin Invest* 43:1486-94, Jul 64  
Transient congenital leukemia in 7 infants with mongolism. Engel RR, et al. *J Pediatr* 65:303-5, Aug 64  
Anti-leukaemic drugs. Innes J. *Practitioner* 193:101-6, Jul 64  
[Trial treatment of chronic myeloid leukemia with dibromomannitol] Mathé G, et al. (Fr) *Presse Med* 72:2135-6, 12 Sep 64  
[Acute myeloblastic leukemia with prolonged course and isolated and late encephalo-meningeal localization] Ougier J, et al. (Fr) *Presse Med* 72:2227-8, 19 Sep 64

## LEUKEMOID REACTION

Benzene and leukemia. Vigliani EC, et al. *New Eng J Med* 271:872-6, 22 Oct 64

## LEUCOCYTE COUNT

A new system for rapid haemoglobin estimations and leucocyte counts. Davis RE, et al. *J Clin Path* 17:467-8, Jul 64

## LEUCOCYTES

Effect of mononuclear cell depletion by cortisone on hypersensitivity of leukocytes from tuberculous guinea pigs to PPD. Johnson RW, et al. *Amer Rev Resp Dis* 90:231-42, Aug 64  
End-product inhibition of thymidine kinase activity in normal and leukemic human leukocytes. Bresnick E, et al. *Cancer Res* 24:841-6, Jun 64  
In vitro studies of cell types responsive to erythropoietin. Takaku F, et al. *Endocrinology* 74:968-72, Jun 64  
Synthesis of ribonucleic acid in rabbit blood cells in vivo. DeBellis RH, et al. *J Clin Invest* 43:1329-37, Jul 64  
Pathogenesis of inflammation. I. The production of an inflammatory substance from rabbit granulocytes in vitro and its relationship to leucocyte pyrogen. Moses JM, et al. *J Exp Med* 120:57-82, 1 Jul 64  
Leucocyte enzymes in Down's syndrome. Mellman WJ, et al. *Lancet* 2:674-5, 20 Sep 64  
"Immunological organisation" and activity of human peripheral white-blood-cell cultures. Bartfeld H, et al. *Lancet* 2:767-9, 10 Oct 64  
Some aspects of the immunology of leucocytes. Berah M. *Med J Aust* 2:292-6, 22 Aug 64  
In vitro cytotoxicity in delayed-type hypersensitivity and immunologic tolerance. Lubaroff DM, et al. *Proc Soc Exp Biol Med* 116:823-7, Jul 64  
The frequency of dicentric in human leukocytes irradiated in vivo and in vitro. Norman A, et al. *Radiology* 83:108-10, Jul 64  
In vitro test to detect the degree of antigenic difference between individuals. Bain B, et al. *Surg Forum* 15:151-2, 1964  
[The synovial raisin cell. Its value in the diagnosis of rheumatic diseases] Delbarre F, et al. (Fr) *Presse Med* 72:2129-32, 12 Sep 64  
[Attempt at demonstration of pollen reagins in vitro] Melliger E. *Int Arch Allerg* 24:Suppl:21-2, 1964 (Ger)

## LEUCOCYTOSIS

Leukocytosis during corticosteroid therapy. Biörck G, et al. *Acta Med Scand* 176:127-8, Jul 64  
Sulfated mucopolysaccharide and basic protein in certain granules of circulating heterophils of rabbits during endotoxin-induced leukocytosis. Horn RG, et al. *Amer J Path* 44:905-19, Jun 64  
The effect of various anti-inflammatory drugs on the accumulation of leucocytes in the peritoneal cavity of mice. Northover BJ. *J Path Bact* 68:332-5, Jul 64

## LEUKOPENIA

Studies on the hemolytic nature of protein-deficiency anemia in the rat. Delmonte L, et al. *Blood* 24:49-68, Jul 64  
Benzene and leukemia. Vigliani EC, et al. *New Eng J Med* 271:872-6, 22 Oct 64  
Experimental lymphocytopenia and hypogammaglobulinemia production. Absolon KB, et al. *Surg Forum* 15:149-50, 1964

## LEUKORRHEA

Is Haemophilus vaginalis a pathogen in the female genital tract? Frampton J, et al. *J Obstet Gynaec Brit Comm* 71:436-42, Jun 64

## LEVONOREPINEPHRINE

Effects of several cardiovascular drugs on various phases of circulatory dynamics. Aldinger EE. *Amer Heart J* 68:55-65, Jul 64  
Isolated perfused bovine liver: responses to common vasoactive drugs. Condon RE, et al. *Arch Surg (Chicago)* 89:602-8, Oct 64  
The management of experimental endotoxin shock. The circulatory effects of levarterenol, hydrocortisone, phenoxymethamine hydrochloride, and blood volume expansion. Smith LL, et al. *Arch Surg (Chicago)* 89:630-6, Oct 64  
Electrical quiescence of pulmonary artery smooth muscle during sympathomimetic stimulation. Su C, et al. *Circ Res* 15:26-7, Jul 64  
Hemodynamic effects of pressor agents in septic and myocardial infarction shock. Smulyan H, et al. *JAMA* 190:188-94, 19 Sep 64  
A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al. *Proc Soc Exp Biol Med* 116:331-3, Jun 64

## LEYDIG CELL TUMOR

Interstitial-cell tumour. Collins DH, et al. *Brit J Urol* 36:Suppl:62-9, Jun 64

## LIBRARIES, MEDICAL

The first Australian medical libraries. Gandevia B, et al. *Med J Aust* 2:314-20, 22 Aug 64

## LICENSURE

Accreditation and the adjuvant effects on convalescent home operation. Zampella AD. *J Amer Geriatr Soc* 12:658-64, Jul 64

## LIDOCAINE

The use of radioiodinated serum albumin to confirm accidental intravascular insertion of epidural catheters. Duncalf D, et al. *Anesthesiology* 25:564-6, Jul-Aug 64  
Intoxication due to local anesthetics. *New Eng J Med* 271:964-5, 29 Oct 64  
Regional intravenous anesthesia. Kenmore PI, et al. *Surg Forum* 15:454-6, 1964

## LIGAMENTS

The anatomy of the extensor apparatus of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:897-906, Aug 64  
The physiology of the extension of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:909-18, Aug 64

## LIGAMENTS, ARTICULAR

Diagnosis and treatment of injury of lateral ligament of the ankle joint. Caro D, et al. *Lancet* 2:720-3, 3 Oct 64

## LIGASES

Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64  
Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al. *J Biol Chem* 239:1346-56, May 64  
Urea cycle adaptations in intact and adrenalectomized rats. Freedland RA. *Proc Soc Exp Biol Med* 116:692-6, Jul 64  
Cold preservation of liver for homotransplantation. Brown H, et al. *Surg Forum* 15:215-7, 1964

## LIGHT

Depth electrographic observations in two cases of photo-oculoclonic response. Chatrian GE, et al. *Electroenceph Clin Neurophysiol* 17:71-5, Jul 64  
Light-dark periodicity and the Rhesus-monkey menstrual cycle. Erikson LE. *Fertil Steril* 15:352-66, Jul-Aug 64  
Correlation between genetic transformability and



non-photoreactivability in *Bacillus subtilis*. Kelner A. **J Bact** 87:1295-303, Jun 64  
Rates of reaction of hemoglobin H with ligands. Benesch R, et al. **J Biol Chem** 239:1668-9, May 64

## LIGHT COAGULATION

Laser coagulation of ocular tissues. Flocks M, et al. **Arch Ophthalmol (Chicago)** 72:604-11, Nov 64  
The role of photocoagulation in the management of retinoschisis. Okun E, et al. **Arch Ophthalmol (Chicago)** 72:309-14, Sep 64  
Studies in photocoagulation. I. The photocoagulating beam. Pomerantzeff O, et al. **Brit J Ophthalmol** 48:298-305, Jun 64  
Studies in photocoagulation. 3. Laser sources of energy. Pomerantzeff O. **Brit J Ophthalmol** 48:311-4, Jun 64  
Studies in photocoagulation. II. The observation system. Pomerantzeff O, et al. **Brit J Ophthalmol** 48:306-10, Jun 64  
Studies in photocoagulation. IV. Laser photocoagulator. Pomerantzeff O. **Brit J Ophthalmol** 48:315-7, Jun 64  
Treatment of diabetic retinopathy by light-coagulation: a preliminary study. Wetzig PC, et al. **Brit J Ophthalmol** 47:539-41, Sep 63  
Photocoagulation of the retina: ophthalmoscopic and histological findings. Lavvay A. **Brit J Ophthalmol** 47:577-87, Oct 63

## LIMBIC SYSTEM

Effects of rhinencephalic lesions on endocrine and somatic development in the rat. Kling A. **Amer J Physiol** 206:1395-400, Jun 64

## LINOLEIC ACID

The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. **J Biol Chem** 239:1335-45, May 64  
Effect of linoleic acid on nutritional muscular dystrophy in the chick. Calvert CC, et al. **J Nutr** 83:307-13, Aug 64  
Serum and aortic lipids in rabbits fed cholesterol and linoleic acid stereoisomers. Weigensberg BI, et al. **J Nutr** 83:314-24, Aug 64  
Conversion of linoleic-1-C14 acid to arachidonic acid in the gerbil. Gordon S, et al. **Proc Soc Exp Biol Med** 116:730-3, Jul 64

## LIPASE

Lipolytic activity in the blood after lipase ingestion. Tidwell HC, et al. **Proc Soc Exp Biol Med** 116:720-3, Jul 64  
In vitro activation of lipolytic activity in the serum of dogs by bile salts. Traxel WL, et al. **Proc Soc Exp Biol Med** 116:388-92, Jun 64  
Effect of ethionine-induced pancreatic damage on intestinal enzyme activity of the rat. Libre EP, et al. **Proc Soc Exp Biol Med** 116:452-4, Jun 64

## LIPID METABOLISM

Carnitine effects on palmitate-I-C-14 conversion to CO<sub>2</sub> and glycerides by various tissues. Fritz IB. **Amer J Physiol** 206:1217-22, Jun 64  
The treatment of cerebral atherosclerosis with Vasolastine (a preliminary report). Mawdesley-Thomas LE, et al. **Brit J Clin Pract** 18:405-7, Jul 64  
Influence of physical activity on a treadmill on the metabolism of adipose tissue in rats. Pafizková J, et al. **Brit J Nutr** 18:325-32, 1964  
Nutritional effects of autoxidized fats in animal diets. Beef fat in the diet of rats. Lea CH, et al. **Brit J Nutr** 18:369-84, 1964  
Effects of hypophysectomy and diet on lipogenesis in adipose tissue. Goodman HM. **Endocrinology** 75:140-2, Jul 64  
Effect of adrenaline on aortic structure and serum cholesterol in *Macaca radiata*. Jagannathan SN, et al. **J Atheroscler Res** 4:335-45, Jul-Aug 64  
The synergism of x-irradiation and cholesterol-fat feeding on the development of coronary artery lesions. Amromin GD, et al. **J Atheroscler Res** 4:325-34, Jul-Aug 64  
Cardiovascular disease in the Masai. Mann GV, et al. **J Atheroscler Res** 4:289-312, Jul-Aug 64  
Oxidative phosphorylation in aortic homogenates. Wollemann M, et al. **J Atheroscler Res** 4:367-9, Jul-Aug 64  
Histochemical demonstration of heparin precipitating lipids in atherosclerotic aortas. Mustakallio KK, et al. **J Atheroscler Res** 4:370-2, Jul-Aug 64  
Effect of physical activity upon cholesterol synthesis in the rat liver. Aleksandrow D, et al. **J Atheroscler Res** 4:351-5, Jul-Aug 64  
Lipolytic, pectolytic, and alginolytic activities of Enterobacteriaceae. Davis BR, et al. **J Bact** 88:16-9, Jul 64  
Some biochemical changes in the guinea pig during

infection with *Coxiella burnetii*. Paretsky D, et al. **J Bact** 88:137-42, Jul 64  
Lipolytic, pectolytic, and alginolytic activities of Enterobacteriaceae. Davis BR, et al. **J Bact** 88:16-9, Jul 64  
Enzymatic omega-oxidation of fatty acids. I. Products of octanoate, deconate, and laurate oxidation. Kusunose M, et al. **J Biol Chem** 239:1374-80, May 64  
The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. Bressler R, et al. **J Biol Chem** 239:1364-8, May 64  
The intermediary role of delta-5,7-cholestadien-3-beta-ol in cholesterol biosynthesis. Dempsey ME, et al. **J Biol Chem** 239:1381-7, May 64  
Mitochondrial stimulation of fatty acid biosynthesis. Bhaduri AM, et al. **J Biol Chem** 239:1357-63, May 64  
The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. **J Biol Chem** 239:1305-9, May 64  
The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. **J Biol Chem** 239:1335-45, May 64  
Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al. **J Biol Chem** 239:1346-56, May 64  
The role of serum in acanthocyte autohemolysis and membrane lipid composition. Ways P, et al. **J Clin Invest** 43:1322-8, Jul 64  
A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. Bleicher SJ, et al. **Metabolism** 13:583-8, Jun 64  
Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. Goldman JK, et al. **Metabolism** 13:572-8, Jun 64  
In vivo inhibition of lipogenesis by biotin deficiency. Donaldson WE. **Proc Soc Exp Biol Med** 116:662-4, Jul 64  
Effect of 22,25-diazacholesterol on synthesis of cholesterol by rat liver homogenates. Dvornik D, et al. **Proc Soc Exp Biol Med** 116:537-9, Jun 64  
Absolute requirement for free sterol for absorption by rat intestinal mucosa. Vahouny GV, et al. **Proc Soc Exp Biol Med** 116:496-8, Jun 64  
Effect of hyocholic acid on cholesterol and bile acid metabolism in the mouse. Beher WT, et al. **Proc Soc Exp Biol Med** 116:442-5, Jun 64

## LIPID METABOLISM, INBORN

### ERRORS

[Cutaneous and mucous lipoproteinosis or cutaneous and mucous hyalinosis (Urbach-Wiethe disease)] Nowak T. **Helv Paediat Acta** 19:69-77, Jun 64 (Ger)

## LIPIDS

The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. **Amer J Path** 44:921-30, Jun 64  
Relationship of mycoside content and colony morphology for group 2 and group 3 unclassified mycobacteria. Navalkar RG, et al. **J Bact** 88:255-9, Jul 64  
Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in *Penicillium atrovenetum*. Gottlieb D, et al. **J Bact** 88:114-21, Jul 64  
Relationship of mycoside content and colony morphology for group 2 and group 3 unclassified mycobacteria. Navalkar RG, et al. **J Bact** 88:255-9, Jul 64  
Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in *Penicillium atrovenetum*. Gottlieb D, et al. **J Bact** 88:114-21, Jul 64

## LIPOAMIDE DEHYDROGENASE

Histochemistry of the retina in the alloxan-diabetic rat. Newell FW, et al. **Brit J Ophthalmol** 47:596-600, Oct 63  
Histochemistry of hydrolytic and oxidative enzymes in experimental skin carcinoma of the mouse. Auerbach WM. **Cancer Res** 24:937-46, Jul 64

## LIPOIC ACID

Pyruvate fermentation by *Streptococcus faecalis*. Delbel RH, et al. **J Bact** 88:4-10, Jul 64  
Role of lipoid acid in pyruvate transport. Leach FR, et al. **J Bact** 87:1529-30, Jun 64  
Pyruvate fermentation by *Streptococcus faecalis*. Delbel RH, et al. **J Bact** 88:4-10, Jul 64

## LIPOIDOSIS

Lipoid proteinosis (Urbach-Wiethe); report of a case and review. Dickey RF, et al. **Ann Otol** 73:287-96, Jun 64  
Retinal neuropathology of late infantile amaurotic idiocy. Wolter JR, et al. **Brit J Ophthalmol** 48:277-84, May 64

Lipidproteinosis (Urbach-Wiethe syndrome). Hewson GE. **Brit J Ophthalmol** 47:242-5, Apr 63

## LIPOMA

Tumors of the small bowel. Schmutzer KJ, et al. **Amer J Surg** 108:270-6, Aug 64  
[Contribution to the statistics of lipoma of the uterus] Cónill Serra V, et al. **J Int Coll Surg** 42:438-43, Oct 64 (Sp)

## LIPOPOLYSACCHARIDES

Adjuvants and aspermatogenesis in the guinea pig. Katsh S. **Int Arch Allerg** 24:319-31, 1964  
Anaphylactic reactions in mice induced by Bordetella pertussis lipopolysaccharide. Malkiel S, et al. **J Allerg** 35:306-12, Jul-Aug 64

## LIPOPROTEIN LIPASE

Incidence of endogenous lipoprotein lipase activity in human plasma. Engelberg H. **Proc Soc Exp Biol Med** 116:422-5, Jun 64  
Lipolytic activity in the blood after lipase ingestion. Tidwell HC, et al. **Proc Soc Exp Biol Med** 116:720-3, Jul 64  
In vitro activation of lipolytic activity in the serum of dogs by bile salts. Traxel WL, et al. **Proc Soc Exp Biol Med** 116:388-92, Jun 64  
Importance of liver in release and degradation of lipoprotein lipase. Condon RE, et al. **Surg Forum** 15:92-3, 1964

## LIPOPROTEINS

Incubation hemolysis and red cell metabolism in acanthocytosis. Simon ER, et al. **J Clin Invest** 43:1311-21, Jul 64  
The role of serum in acanthocyte autohemolysis and membrane lipid composition. Ways P, et al. **J Clin Invest** 43:1322-8, Jul 64  
Serum-lipid levels in a Brazilian Indian population. Pazzanese D, et al. **Lancet** 2:615-7, 19 Sep 64  
Changes in plasma proteins after portacaval shunt in the rat. Kennan AL. **Proc Soc Exp Biol Med** 116:543-4, Jun 64

## LISTERIA INFECTIONS

Prevalence of *Listeria agglutinins* in obstetric and gynaecologic patients. Grönroos JA, et al. **Ann Chir Gynaec Fenn** 53:377-82, 1964  
The immunological basis of acquired cellular resistance. Mackaness GB. **J Exp Med** 120:105-20, 1 Jul 64  
The passive transfer of acquired resistance to *Listeria monocytogenes*. Mikl K, et al. **J Exp Med** 120:93-103, 1 Jul 64

## LITHIUM

Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al. **Amer J Physiol** 207:71-8, Jul 64  
Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. **J Bact** 87:1266-73, Jun 64

## LIVER

The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. **Amer J Path** 44:921-30, Jun 64  
Initial distribution and rate of uptake of sulfobromophthalein in the liver. Goresky CA. **Amer J Physiol** 207:13-26, Jul 64  
Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al. **Amer J Physiol** 207:71-8, Jul 64  
Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. Browne HG, et al. **Amer J Trop Med** 13:558-71, Jul 64  
Preservation of volatile anesthetics in blood and tissue. Lowe HJ. **Anesthesiology** 25:566-8, Jul-Aug 64  
Tissue copper proteins in Wilson's disease. Intracellular distribution and chromatographic fractionation. Porter H. **Arch Neurol (Chicago)** 11:341-9, Oct 64  
Lymphatic drainage of bone marrow. Fuller KM, et al. **Aust New Zeal J Surg** 34:11-4, Aug 64  
Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. **Cancer Res** 24:994-7, Jul 64  
Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. **Cancer Res** 24:614-8, May 64  
Effect of adrenaline on aortic structure and serum cholesterol in *Macaca radiata*. Jagannathan SN, et al. **J Atheroscler Res** 4:335-45, Jul-Aug 64  
Oxidative phosphorylation in aortic homogenates. Wollemann M, et al. **J Atheroscler Res** 4:367-9, Jul-Aug 64



- Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64
- Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64
- Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64
- Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64
- Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. Schapiro RH, et al. *J Clin Invest* 43:1338-47, Jul 64
- Determination of organ volumes by scintillation scanning. Spencer RP. *J Nucl Med* 5:444-52, Jun 64
- Effect of protein intake on the ribonucleic acid of liver cell sap. Munro HN, et al. *J Nutr* 83:186-92, Jul 64
- Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64
- S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64
- The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. Burack WR, et al. *J Pharmacol Exp Ther* 144:66-75, Apr 64
- Electrocautery in percutaneous liver biopsy. Edlich RF, et al. *JAMA* 190:68-9, 5 Oct 64
- Modification of Menghini liver biopsy needle. Salem SN. *Lancet* 2:794, 10 Oct 64
- Effect of dietary protein level and cholesterol supplementation prior to acute starvation on serum and liver lipids in the rat. Méndez J. *Metabolism* 13:669-74, Jul 64
- Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al. *New Eng J Med* 271:1021-7, 12 Nov 64
- Change in serum haptoglobin type following human liver transplantation. Merrill DA, et al. *Proc Soc Exp Biol Med* 116:748-51, Jul 64
- Cold preservation of liver for homotransplantation. Brown H, et al. *Surg Forum* 15:215-7, 1964

## LIVER ABSCESS, AMEBIC

- Hepatic amoebiasis. Doxiades T. *Brit Med J* 5418:1197-8, 7 Nov 64
- Roentgenographic appearances in hepatopulmonary amebiasis. Menon NK. *Dis Chest* 46:219-22, Aug 64
- Spontaneous rupture of the liver during pregnancy. A report of 2 cases. Yen SS. *Obstet Gynec* 23:783-7, May 64

## LIVER CIRCULATION

- Effects of hypoxia and hyperthermia on hepatic tissue of the dog. Reed WA, et al. *Amer J Physiol* 206:1304-8, Jun 64
- Isolated perfused bovine liver: responses to common vasoactive drugs. Condon RE, et al. *Arch Surg (Chicago)* 89:602-8, Oct 64
- Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. Feruglio FS, et al. *Clin Sci* 26:493-8, Jun 64
- Effect of drug infusion on the systemic and splanchnic circulation. I. Bradykinin infusion in normal subjects. Feruglio FS, et al. *Clin Sci* 26:487-91, Jun 64
- Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. Redeker AG, et al. *J Clin Invest* 43:1464-71, Jul 64
- Effect of exclusion of hepatic circulation on oxidation of octanoic acid in the rat. Valdivieso VD, et al. *Proc Soc Exp Biol Med* 116:290-2, Jun 64
- Effect of hyperbaric oxygenation on hepatic inflow occlusion. Jacobsen DS, et al. *Surg Forum* 15:198-200, 1964
- Regulation of aldosterone secretion by an hepatic receptor. Orloff MJ, et al. *Surg Forum* 15:74-8, 1964
- Splanchnic blood flow in the monkey during hemorrhagic shock. Waldhausen JA, et al. *Surg Forum* 15:7-8, 1964
- The ductus venosus of the human liver. Smith B, et al. *Surg Forum* 15:394-6, 1964
- [Studies on liver circulation during hemorrhagic shock; the relation between liver circulation and cardiac output and oxygen consumption in the internal organs] Yoshida T. *Jap Circ J* 28:704-11, Sep 64 (Jap)

## LIVER CIRRHOSIS

- A note on the chemical estimation of oestrogens in the urine of patients with liver disease. Adlercreutz H, et al. *Acta Endocr (Copenhagen)* 46:230-4, Jun 64
- Proliferation of bile ducts in cirrhosis. Masuko K, et al. *Arch Path (Chicago)* 78:421-31, Oct 64
- A new effective diuretic-Lasix. Stokes W. *Brit Med J* 5414:910-4, 10 Oct 64

- Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. Feruglio FS, et al. *Clin Sci* 26:493-8, Jun 64
- The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. Jick H, et al. *Clin Sci* 26:397-403, Jun 64
- Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. Redeker AG, et al. *J Clin Invest* 43:1434-71, Jul 64
- Macrocytosis of the erythrocytes. A preliminary report. Hattersley PG. *JAMA* 189:997-9, 28 Sep 64
- Hepato-cutaneous syndrome. Sarkany I. *Proc Roy Soc Med* 57:521-2, Jun 64
- Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. Smith RB 3d, et al. *Surg Forum* 15:98-9, 1964
- Gastric secretion in experimental liver disease. Baddeley RM, et al. *Surg Forum* 15:114-6, 1964
- [Quantitative changes in hematopoiesis in chronic hepatitis, fatty cirrhosis and atrophic liver cirrhosis] Tai HB. *Blut* 10:67-81, Mar 64 (Ger)
- [On the ulcer in liver cirrhosis] Schreiber HW, et al. *Deutsch Med Wschr* 89:1787-9, 18 Sep 64 (Ger)

## LIVER CIRRHOSIS, EXPERIMENTAL

- Proliferation of bile ducts in cirrhosis. Masuko K, et al. *Arch Path (Chicago)* 78:421-31, Oct 64

## LIVER CYTOLOGY

- CCL4-induced liver damage. Current concepts regarding mechanisms of action. Plaa GL, et al. *Arch Environ Health (Chicago)* 9:536-43, Oct 64
- Structural changes of liver cells in copper intoxication. Barka T, et al. *Arch Path (Chicago)* 78:331-49, Oct 64
- The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. Hawtrey AO, et al. *Brit J Cancer* 18:299-308, Jun 64
- Studies on nucleolar RNA of the Walker 256 carcinosarcoma and the liver of the rat. Muramatsu M, et al. *Cancer Res* 24:1028-34, Jul 64
- Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. *Cancer Res* 24:570-81, May 64
- Studies on the ultrastructure of the nucleoli of the Walker tumor and rat liver. Smetana K, et al. *Cancer Res* 24:537-57, May 64
- Studies with mouse pituitary thyrotropic tumors. 8. Werner SC, et al. *Endocrinology* 75:66-77, Jul 64
- Metabolism of nucleolar ribonucleic acid after partial hepatectomy. Tsukada K, et al. *J Biol Chem* 239:1564-8, May 64
- Mitochondrial stimulation of fatty acid biosynthesis. Bhaduri AM, et al. *J Biol Chem* 239:1357-63, May 64
- Enzymatic N-hydroxylation of the carcinogen 2-acetylaminofluorene and the metabolism of N-hydroxy-2-acetylaminofluorene-9-14C in vitro. Irving CC. *J Biol Chem* 239:1598-96, May 64
- Hepatocellular lipofuscin after excessive ingestion of analgesics. Abrahams C, et al. *Lancet* 2:621-2, 19 Sep 64
- Osmotic and respiratory behavior of surviving rat liver cells. Olmstead EG, et al. *Proc Soc Exp Biol Med* 116:327-31, Jun 64

## LIVER DISEASES

- Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN. *Amer J Path* 44:973-81, Jun 64
- Subcapsular hemorrhage of the liver in the newborn. An inquiry into its causes. Charif P. *Clin Pediat (Phila)* 3:428-31, Jul 64
- Studies of sulfobromophthalein sodium (BSP) metabolism in man. I. In normal subjects and patients with hepatic disease. Schoenfield LJ, et al. *J Clin Invest* 43:1409-18, Jul 64
- Nonspecific effects of liver extract-adjunct injection in guinea pigs. A morphologic and immunologic study. Soergel KH, et al. *J Lab Clin Med* 64:51-9, Jul 64
- Needle biopsy of the liver in infants and children. Porter M, et al. *J Pediat* 65:176-88, Aug 64
- Effect of tolbutamide in clearing induced alimentary lipaemia after alcoholic hepatopancreatic damage. Gebbie T, et al. *Lancet* 2:661-3, 20 Sep 64
- Case records of the Massachusetts General Hospital. Case 53-1964. *New Eng J Med* 271:953-9, 29 Oct 64
- Abdominal surgery. Welch CE. *New Eng J Med* 271:943-8 concl, 29 Oct 64
- The contribution of halothane to anaesthesia. Smith M. *New Zeal Med J* 63:444-7, Jul 64
- Spontaneous rupture of the liver during pregnancy. A report of 2 cases. Yen SS. *Obstet Gynec* 23:783-7, May 64
- Nutritional studies with the guinea pigs. XI. Pyridoxine. Reid ME. *Proc Soc Exp Biol Med* 116:289-90, Jun 64
- Measurement of steroid-induced hepatic functional

- derangement with the ammonia tolerance test. Anderson MC, et al. *Surg Forum* 15:103-5, 1964
- Effect of hyperbaric oxygenation on hepatic inflow occlusion. Jacobsen DS, et al. *Surg Forum* 15:198-200, 1964
- [The 4 serum bilirubin fractions in cholestatic hepatitis] Kuenzle C, et al. *Deutsch Med Wschr* 89:1475-7, 31 Jul 64 (Ger)
- [Splenopography in liver diseases] Schmitt W, et al. *Deutsch Med Wschr* 89:1790-4, 18 Sep 64 (Ger)

## LIVER ENZYMOLOGY

- Effects of hypoxia on iron absorption and mobilization in the rat. Strohmeier GW, et al. *Amer J Physiol* 207:55-61, Jul 64
- Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. Hoch-Ligeti C, et al. *Brit J Cancer* 18:271-84, Jun 64
- The action of the carcinogen N-(2-fluorenyl)acetamide on rat liver catalase and arginase in vivo. King CM, et al. *Cancer Res* 24:770-9, Jun 64
- Changes in the adenylic acid deaminase activity of rat liver during carcinogenesis. Kizer DE, et al. *Cancer Res* 24:1050-5, Jul 64
- Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64
- Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. De Lamiande G. *Cancer Res* 24:742-50, May 64
- Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64
- Studies on folic reductase. I. Levels in regenerating rat liver and the effect of methotrexate administration. Ngu VA, et al. *Cancer Res* 24:989-93, Jul 64
- Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64
- Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagie SR, et al. *J Biol Chem* 239:1289-91, May 64
- Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64
- Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64
- Purification and properties of rat liver 2-keto-4-hydroxyglutarate aldolase. Maitra U, et al. *J Biol Chem* 239:1485-91, May 64
- Purification and properties of a microsomal enzyme system catalyzing the reactivation of reduced ribonuclease and lysozyme. Goldberger RF, et al. *J Biol Chem* 239:1406-10, May 64
- The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. *J Biol Chem* 239:1335-45, May 64
- Bilirubin glucuronyl transferase activity in liver disease. Metge WR, et al. *J Lab Clin Med* 64:89-98, Jul 64
- Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. Abraham S, et al. *J Nutr* 83:273-88, Jul 64
- Urea cycle adaptations in intact and adrenalectomized rats. Freedland RA. *Proc Soc Exp Biol Med* 116:692-6, Jul 64
- Effect of dietary phenylalanine on activity of phenylalanine hydroxylase from rat liver. Woods MN, et al. *Proc Soc Exp Biol Med* 116:427-30, Jun 64
- Glucuronosyl transferase activity in livers of rat, dog, and sheep. Ellis LC, et al. *Proc Soc Exp Biol Med* 116:613-7, Jul 64
- Delta 4-reductase and sulfokinase activities of rat and sheep liver preparations. Ellis LC, et al. *Proc Soc Exp Biol Med* 116:617-21, Jul 64
- [On a special form of Glerke's glycogenosis with increased alpha-glucosidase activity in the liver and complete lack of glucose-6-phosphatase] Bauer B. *Helv Paediat Acta* 19:13-28, Jun 64 (Ger)

## LIVER EXTRACTS

- Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64
- Nonspecific effects of liver extract-adjunct injection in guinea pigs. A morphologic and immunologic study. Soergel KH, et al. *J Lab Clin Med* 64:51-9, Jul 64
- An analysis of melanoprotein from amphiuma liver and from a human liver melanoma. Hack MH, et al. *Proc Soc Exp Biol Med* 116:348-50, Jun 64

## LIVER FUNCTION

- Effects of hypoxia and hyperthermia on hepatic tissue of the dog. Reed WA, et al. *Amer J Physiol* 206:1304-8, Jun 64
- Carnitine effects on palmitate-I-C-14 conversion to CO<sub>2</sub> and glycerides by various tissues. Fritz IB. *Amer J Physiol* 206:1217-22, Jun 64



Effects of thioracil and of thyroidectomy of liver protein metabolism. Yatvin MB, et al. *Endocrinology* 74:878-84, Jun 64

Effect of exercise on free fatty acid levels in the pigeon. George JC, et al. *J Appl Physiol* 19:819-22, Jul 64

Effect of physical activity upon cholesterol synthesis in the rat liver. Aleksandrow D, et al. *J Atheroscler Res* 4:351-5, Jul-Aug 64

An antithyrotic assay based upon the response of rat liver alpha-glycerophosphate dehydrogenase. Richert DA, et al. *J Nutr* 83:332-42, Aug 64

Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. Goldman JK, et al. *Metabolism* 13:572-8, Jun 64

Metabolism of thyroglobulin-1-131 in the guinea pig in vivo and in vitro. Glibova Y, et al. *Metabolism* 13:661-8, Jul 64

In vivo inhibition of lipogenesis by biotin deficiency. Donaldson WE. *Proc Soc Exp Biol Med* 116:662-4, Jul 64

Effect of 22,25-dihydrocholesterol on synthesis of cholesterol by rat liver homogenates. Dvornik D, et al. *Proc Soc Exp Biol Med* 116:537-9, Jun 64

Effects of medium- and long-chain saturated triglycerides on blood and liver cholesterol of chickens and rats. Fisher H, et al. *Proc Soc Exp Biol Med* 116:278-80, Jun 64

Effect of exclusion of hepatic circulation on oxidation of octanoic acid in the rat. Valdivieso VD, et al. *Proc Soc Exp Biol Med* 116:290-2, Jun 64

Effects of growth hormone on glucose-U-C14 metabolism in dog. Wagle SR, et al. *Proc Soc Exp Biol Med* 116:793-4, Jul 64

Metabolism of rat pituitary gonadotrophin. Dasgupta PR, et al. *Proc Soc Exp Biol Med* 116:253-5, Jun 64

Elimination of urethan in relation to its high carcinogenicity in newborn mice. Mirvish S, et al. *Proc Soc Exp Biol Med* 116:285-8, Jun 64

Oxygen uptake and cardiovascular response of mice and rabbits administered "hematoporphyrin". Modell J, et al. *Proc Soc Exp Biol Med* 116:395-9, Jun 64

Hepatic regulation of fibrinolysis—the liver as the source of inhibitor. Bono RF, et al. *Surg Forum* 15:94-5, 1964

Importance of liver in release and degradation of lipoprotein lipase. Condon RE, et al. *Surg Forum* 15:92-3, 1964

Function of the ex-vivo pig liver perfused with human blood. Liem DS, et al. *Surg Forum* 15:90-1, 1964

Measurement of steroid-induced hepatic functional derangement with the ammonia tolerance test. Anderson MC, et al. *Surg Forum* 15:103-5, 1964

Histamine metabolism in pancreatic-induced hypersecretion. Howe CT, et al. *Surg Forum* 15:367-9, 1964

Ammonia metabolism with variations in portal venous diversion. Foster JH, et al. *Surg Forum* 15:105-8, 1964

Histamine and antihistamine in experimental ascites. Adesola AO, et al. *Surg Forum* 15:111-3, 1964

Dynamics of blood, lymph, and ascitic fluid interchange. Adams JT, et al. *Surg Forum* 15:110-1, 1964

## LIVER FUNCTION TESTS

Initial distribution and rate of uptake of sulfobromophthalein in the liver. Goresky CA. *Am J Physiol* 207:13-26, Jul 64

Liver function after long-term progestational treatment with and without oestrogen. Linthorst G. *Brit Med J* 54:14:920-1, 10 Oct 64

Studies of sulfobromophthalein sodium (BSP) metabolism in man. II. The effect of artificially induced fever, norethandrolone (Nilevar), and iopanoic acid (Telapaque). Schoenfeld LJ, et al. *J Clin Invest* 43:1419-23, Jul 64

## LIVER GLYCOGEN

Tissue glycogen fractions of the hypothermic rat, hamster, and turtle. Platner WS, et al. *Am J Physiol* 207:42-6, Jul 64

Relative potency of glucagon and epinephrine as hepatic glycogenolytic agents: studies with the isolated perfused rat liver. Sokal JE, et al. *Endocrinology* 74:930-8, Jun 64

Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64

Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64

Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. *J Biol Chem* 239:1292-8, May 64

Alterations in muscle and liver glycogen secondary to fracture. Wray JB. *Metabolism* 13:551-6, Jun 64

Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. Goldman JK, et al. *Metabolism* 13:572-8, Jun 64

Comparison of anti-granuloma, thymolytic and

glucocorticoid activities of anti-inflammatory steroids. Lerner LJ, et al. *Proc Soc Exp Biol Med* 116:385-8, Jun 64

Liver deglycogenation after portacaval transposition. Sexton AW, et al. *Surg Forum* 15:120-2, 1964

## LIVER NEOPLASMS

The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Boyland E, et al. *Brit J Cancer* 18:265-70, Jun 64

Modification of cell antigens during aminoazo dye carcinogenesis in rat liver. Baldwin RW. *Brit J Cancer* 18:285-98, Jun 64

Changes in the adenylic acid deaminase activity of rat liver during carcinogenesis. Klizer DE, et al. *Cancer Res* 24:1050-5, Jul 64

Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. De Lamiande G. *Cancer Res* 24:742-50, May 64

Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64

An analysis of melanoprotein from amphiuma liver and from a human liver melanoma. Hack MH, et al. *Proc Soc Exp Biol Med* 116:348-50, Jun 64

## LIVER REGENERATION

Studies on folic reductase. I. Levels in regenerating rat liver and the effect of methotrexate administration. Ngu VA, et al. *Cancer Res* 24:989-93, Jul 64

## LONGEVITY

Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. Schroeder HA, et al. *J Nutr* 83:239-50, Jul 64

## LORDOSIS

Statometric studies on patients operated upon for slipped disc in the lumbar region. Hansen JW. *Acta Orthop Scand* 34:225-38, 1964

## LUMBAR VERTEBRAE

Statometric studies on patients operated upon for slipped disc in the lumbar region. Hansen JW. *Acta Orthop Scand* 34:225-38, 1964

In vivo measurements of intradiscal pressure. Discometry, a method for the determination of pressure in the lower lumbar discs. Nachemson A, et al. *J Bone Joint Surg [Amer]* 46:1077-92, Jul 64

Mineral analysis of the fourth lumbar vertebra in health and renal failure. Kaye M. *J Clin Invest* 43:1367-71, Jul 64

Disease of lumbar discs. Ten years of surgical treatment. Brown HA, et al. *J Neurosurg* 20:410-7, May 63

Case records of the Massachusetts General Hospital. Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64

The lateral lumbar spine in Down's syndrome: a new roentgen feature. Rabinowitz JG, et al. *Radiology* 77:74-9, Jul 64

Fusions of the lumbar spine: comparative results. Levy LJ, et al. *Southern Med J* 57:1326-32, Nov 64

The differential diagnosis of deep thrombophlebitis and herniated lumbar intervertebral disk. Knox EW. *Vasc Dis* 1:94-5, Mar 64

## LUMBOSACRAL REGION

Fusions of the lumbar spine: comparative results. Levy LJ, et al. *Southern Med J* 57:1326-32, Nov 64

## LUNG

Electron microscopy of hypersensitivity reactions. Intravascular antigen-antibody precipitation in acute anaphylactic shock. Sabesin SM. *Am J Path* 44:889-904, Jun 64

Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. Hoch-Ligeti C, et al. *Brit J Cancer* 18:271-84, Jun 64

Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64

Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. *Cancer Res* 24:614-8, May 64

Effect of intra-alveolar fluid on pulmonary surface tension properties. Johnson JW, et al. *J Appl Physiol* 19:769-77, Jul 64

The effects of anoxia on the newborn and adult rat lung. Seller MJ, et al. *J Path Bact* 88:309-11, Jul 64

Histologic pattern in the auto- and homotransplanted dog lung. Archer FL, et al. *Surg Forum* 15:154-6, 1964

Alveolar surfactant in lung homotransplantation and hilar stripping. Yeh TJ, et al. *Surg Forum* 15:191-2, 1964

## LUNG DISEASES

Physiologic aspects of idiopathic unilateral hyperlucent lung, with a review of the literature. Kent DC. *Amer Rev Resp Dis* 90:202-12, Aug 64

Probable berylliosis from beryllium alloys. Lieben J, et al. *Arch Environ Health (Chicago)* 9:473-7, Oct 64

Relation of air pollution to disease. Spicer WS Jr. *Arch Environ Health (Chicago)* 9:600-5, Nov 64

Idiopathic pulmonary hemosiderosis without anemia. Report of two cases. Ditto WR, et al. *Arch Intern Med (Chicago)* 114:490-3, Oct 64

Left azygos lobe. Report of a case. Lesser MB. *Dis Chest* 46:95-6, Jul 64

Thromboembolic complications of rheumatic fever in childhood. Streeper RB. *Dis Chest* 46:61-5, Jul 64

A mucolytic agent. Acetylcysteine (Mucomyst). *JAMA* 190:147-8, 12 Oct 64

Joseph Skoda (1805-1881)—Physical diagnostician. *JAMA* 190:240, 19 Sep 64

CNS disorder during mechanical ventilation in chronic pulmonary disease. Rotheram EB Jr, et al. *JAMA* 189:993-6, 28 Sep 64

A cough-belt to prevent and treat postoperative pulmonary complications. Barlow D. *Lancet* 2:736, 3 Oct 64

Pneumonitis with alveolar-capillary block in a cattle rancher exposed to epizootic bovine abortion. Barnes MG, et al. *New Eng J Med* 271:981-5, 5 Nov 64

Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al. *New Eng J Med* 271:1021-7, 12 Nov 64

Effect of bronchial arterial infusion of mechlorethamine on pulmonary structure in the experimental animal. Hockman RP, et al. *Surg Forum* 15:194-6, 1964

## LUNG DISEASES, FUNGAL

Propylene glycol aerosolization and the diagnosis of pulmonary histoplasmosis. Singh MD, et al. *Dis Chest* 46:82-6, Jul 64

Pulmonary aspergillosis: diagnostic and immunological significance of antigens and C-substance in *Aspergillus fumigatus*. Longbottom JL, et al. *J Path Bact* 88:141-51, Jul 64

Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al. *New Eng J Med* 271:1021-7, 12 Nov 64

## LUNG DISEASES, PARASITIC

Roentgenographic appearances in hepatopulmonary amebiasis. Menon NK. *Dis Chest* 46:219-22, Aug 64

## LUNG NEOPLASMS

Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. Small MJ, et al. *Amer Rev Resp Dis* 90:223-30, Aug 64

Bronchial carcinoid with osteoblastic metastases. Cases with carcinoid syndrome. Hyman GA, et al. *Arch Intern Med (Chicago)* 114:541-6, Oct 64

Thrombocytosis associated with malignant disease. Levin J, et al. *Arch Intern Med (Chicago)* 114:497-500, Oct 64

The effect of dietary casein on the induction of lung tumours by the injection of 9,10-dimethyl-1,2-benzanthracene (DMBA) into newborn mice. Walters MA, et al. *Brit J Cancer* 18:312-6, Jun 64

Changes in susceptibility to urethane-induced lung tumours produced by selective breeding in mice. Falconer DS, et al. *Brit J Cancer* 18:322-32, Jun 64

Effect of orotic acid on the metastasis of mammary tumors in mice. Chu EW, et al. *Cancer Res* 24:671-3, May 64

The relationship between the dissemination of tumor cells and the distribution of metastases. Greene HS, et al. *Cancer Res* 24:799-811, Jun 64

Damage to the thymus and other lymphoid tissues from 3-methylcholanthrene, and subsequent thymoma production, in mice. Yasuhira K. *Cancer Res* 24:558-69, May 64

Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64

Choice of operation in the treatment of bronchogenic carcinoma. (A review of 813 cases of which 209 were treated by resection). Rasmussen RA, et al. *Dis Chest* 46:190-7, Aug 64

Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. Hayata Y, et al. *Dis Chest* 46:51-60, Jul 64

Malignant synovialoma in a cow. Dungworth DL, et al. *J Path Bact* 88:83-7, Jul 64

Some problems of lung cancer. Lombard HL. *Lancet* 2:691, 20 Sep 64

Carcinogens in cigarette smoke. Robertson LS. *S Afr Med J* 38:617, 15 Aug 64



[Clinical evaluation of the proteo-anabolic activity of l-methyl-delta androstenedione in patients with malignant neoplasms during actinotherapy] Pipino G. *Minerva Med* 55:2413-7, 18 Aug 64 (It)

## LUPUS ERYTHEMATOSUS, DISCOID

Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al. *Arch Derm (Chicago)* 90:377-86, Oct 64  
Discoid lupus erythematosus eruption with digital arterial occlusion. Gold SC. *Proc Roy Soc Med* 57:516, Jun 64  
Chilblain lupus erythematosus. Bettley FR. *Proc Roy Soc Med* 57:515-6, Jun 64

## LUPUS ERYTHEMATOSUS, SYSTEMIC

The cardiovascular manifestations of systemic lupus erythematosus. Hejtmancik MR, et al. *Amer Heart J* 68:119-30, Jul 64  
Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al. *Arch Derm (Chicago)* 90:377-86, Oct 64  
Gastrointestinal complications of collagen diseases. Surgical implications. Couris GD, et al. *Arch Surg (Chicago)* 89:695-700, Oct 64  
Clinical onset of lupus erythematosus in the older age group. Joseph RR, et al. *J Amer Geriatr Soc* 12:787-99, Aug 64  
Clinical manifestations of systemic lupus erythematosus. Computer analysis of 520 cases. Dubois EL, et al. *JAMA* 190:104-11, 12 Oct 64  
Chilblain lupus erythematosus. Bettley FR. *Proc Roy Soc Med* 57:515-6, Jun 64  
Naturally occurring species specific inhibitor of human prothrombin in lupus erythematosus. Hough C. *Proc Soc Exp Biol Med* 116:359-61, Jun 64

## LUTETIUM

Studies and clinical observations of infusion of anti-cancerous agents into lymph vessel system. Kitagawa S, et al. *J Int Coll Surg* 42:358-9, Oct 64

## LYASES

Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64

## LYMPH

Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog. Miller AJ, et al. *Proc Soc Exp Biol Med* 116:392-4, Jun 64  
Lethal factor in thoracic duct lymph following superior mesenteric artery ligation. Tice DA, et al. *Surg Forum* 15:86-8, 1964  
Histamine and antihistamine in experimental ascites. Adesola AO, et al. *Surg Forum* 15:111-3, 1964  
Dynamics of blood, lymph, and ascitic fluid interchange. Adams JT, et al. *Surg Forum* 15:110-1, 1964  
Lymphatic flora in third degree burns. DeWitt RJ, et al. *Surg Forum* 15:41-3, 1964

## LYMPH NODES

Lymphadenitis. *Arch Ophthal (Chicago)* 72:578, Oct 64  
Lymphatic drainage of bone marrow. Fuller KM, et al. *Aust New Zeal J Surg* 34:11-4, Aug 64  
Damage to the thymus and other lymphoid tissues from 3-methylcholanthrene, and subsequent thymoma production, in mice. Yasuhira K. *Cancer Res* 24:558-69, May 64  
In vitro studies on the fate of antigen. 3. The in vitro fate of I-131-HSA in the presence of cells and cell extracts from normal, immune, and tolerant rabbits. Rhodes JM, et al. *Int Arch Allerg* 24:342-55, 1964  
Experimental eosinophilia. VII. Lymph node responses to altered gamma globulins. Cohen SG, et al. *J Allerg* 35:346-55, Jul-Aug 64  
Comparative immunology. Lymph nodes in the amphibian, *Bufo marinus*. Kent SP, et al. *Proc Soc Exp Biol Med* 116:456-9, Jun 64  
Bacteria induced morphologic changes. Hudson JA, et al. *Proc Soc Exp Biol Med* 116:628-31, Jul 64  
Selective irradiation of lymph nodes as a means of conditioning for homotransplantation. Tilak SP, et al. *Surg Forum* 15:160-1, 1964

## LYMPHANGIOMA

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-6, Aug 64  
Cystic hygroma of the neck. Broomhead IW. *Brit J Plast Surg* 17:225-44, Jul 64  
An unusual case of shoulder dystocia. Francis RC. *J Obstet Gynaec Brit Comm* 71:637-9, Aug 64

## LYMPHATIC METASTASIS

Renal ischaemia due to thrombosis of renal artery resulting from metastases from primary carcinoma of the bronchus. Jennings RC, et al. *Brit Med J* 5416:1053-4, 24 Oct 64  
Observations on intralymphatic radiotherapy and general chemotherapy. Chiappa S, et al. *Clin Radiol* 15:202-9, Jul 64  
Studies and clinical observations of infusion of anti-cancerous agents into lymph vessel system. Kitagawa S, et al. *J Int Coll Surg* 42:358-9, Oct 64  
Malignant synovialoma in a cow. Dungworth DL, et al. *J Path Bact* 88:83-7, Jul 64  
Prophylactic lymph node dissection. Thurston OG, et al. *Surg Forum* 15:343-4, 1964

## LYMPHATIC SYSTEM

Lymphatic drainage of bone marrow. Fuller KM, et al. *Aust New Zeal J Surg* 34:11-4, Aug 64  
Endolymphatic therapy with radioactive gold for malignant melanoma. Jantet GH, et al. *Brit Med J* 5414:904-6, 10 Oct 64  
The lymphatic drainage of the leg and its implications. Ngu VA. *Clin Radiol* 15:197-201, Jul 64  
The role of radiotherapy in the treatment of tumours in children. Pearson D. *J Clin Path* 17:423-6, Jul 64  
Autotransplantation of lymphatic vessels in the dog. Stevens GH, et al. *Surg Forum* 15:239-41, 1964  
Lymphatic cineradiography. Rubeiz MT, et al. *Surg Forum* 15:461-3, 1964  
Lymph vessels of the greater omentum. A preliminary investigation. Intonti F, et al. *Vasc Dis* 1:203-5, Jul 64

## LYMPHOCYTES

RNA synthesis in cultures of normal human peripheral blood. Epstein LB, et al. *Blood* 24:69-75, Jul 64  
Failure of lymphocytes from hypogammaglobulinaemic subjects to transform in culture. Elves MW, et al. *Brit Med J* 5418:1051-2, 24 Oct 64  
Influence of sex and ABO blood group on the normal lymphocyte transfer test. Moorhead JF, et al. *Brit Med J* 5417:1111-3, 31 Oct 64  
The culture in vitro of lymphoid cells obtained from rabbit lymph nodes. Foft JW, et al. *Lab Invest* 13:575-80, Jun 64  
In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. Hirschhorn K, et al. *Lancet* 2:842-3, 17 Oct 64  
Short-term phytohaemagglutinin culture on human thoracic-duct lymphocytes. Lindahl-Kiessling K. *Lancet* 2:862-3, 17 Oct 64  
Effects of phytohaemagglutinin on leucocytes. Coulson AS, et al. *Lancet* 2:819-20, 10 Oct 64  
"Immunological organisation" and activity of human peripheral white-blood-cell cultures. Bartfeld H, et al. *Lancet* 2:767-9, 10 Oct 64  
In vitro cytotoxicity in delayed-type hypersensitivity and immunologic tolerance. Lubaroff DM, et al. *Proc Soc Exp Biol Med* 116:823-7, Jul 64  
Prolonged survival time of human leukemic lymphocytes in vitro. Schrek R. *Proc Soc Exp Biol Med* 116:298-300, Jun 64  
Prolonged functional survival of dog renal grafts with local radiation. Martin DC, et al. *Surg Forum* 15:156-8, 1964  
Spleen cytology during homograft rejection. Weldon CS. *Surg Forum* 15:152-4, 1964  
Experimental lymphocytopenia and hypogammaglobulinemia production. Absolon KB, et al. *Surg Forum* 15:149-50, 1964  
Heterologous mouse anti-lymphocyte serum to prolong skin homografts. Gray JG, et al. *Surg Forum* 15:142-4, 1964  
Significance of lymphocyturia in renal homograft rejection. Kauffman HM, et al. *Surg Forum* 15:168-70, 1964  
Neonatal thymectomy in the dog. Tilney NL, et al. *Surg Forum* 15:123-4, 1964

## LYMPHOGRAPHY

The lymphatic drainage of the leg and its implications. Ngu VA. *Clin Radiol* 15:197-201, Jul 64  
Lymphangiographic criteria for diagnosis of retroperitoneal fibrosis. Clouse ME, et al. *Radiology* 83:1-5, Jul 64  
[Preliminary results of the study of the kinetics of the distal portion of the thoracic duct in the living human. Favorable action of morphine] Lachapele AP, et al. *Presse Med* 72:2133-4, 12 Sep 64 (Fr)

## LYMPHOID TISSUE

Effect of ACTH on total adrenal cholesterol in bursectomized chicks. Sato K, et al. *Amer J Physiol* 207:47-9, Jul 64  
Effects of cortisol on the metabolism of glucose by lymphoid tissue. Blecher M. *J Biol Chem* 239:1299-300, May 64  
Thymic changes in the mouse strain NZB in relation to

the auto-immune state. Burnet FM, et al. *J Path Bact* 88:229-41, Jul 64  
Electron microscopy of the thymus lesions in NZB mice. Abbot A, et al. *J Path Bact* 88:243-5, Jul 64  
Clinical pathological conference. The Children's Hospital Medical Center, Boston, Mass. Farber S, et al. *J Pediatr* 65:306-10, Aug 64  
The culture in vitro of lymphoid cells obtained from rabbit lymph nodes. Foft JW, et al. *Lab Invest* 13:575-80, Jun 64  
Neonatal thymectomy in the dog. Tilney NL, et al. *Surg Forum* 15:123-4, 1964  
Distribution of tritium labeled thymocytes in newborn mice. Ebert PA, et al. *Surg Forum* 15:125-6, 1964

## LYMPHOMA

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-6, Aug 64  
A search for the Burkitt lymphoma in tropical Central America. Rowe NH, et al. *Brit J Cancer* 18:228-32, Jun 64  
Malignant lymphoma of the testis. Gowing NF. *Brit J Urol* 36:Suppl:85-94, Jun 64  
Tumors occurring in newborn mice after inoculation of human cancer material. Moore AE, et al. *Cancer Res* 24:765-9, Jun 64  
Further studies of the immunological properties of Gross virus-induced lymphomas. Wahren B. *Cancer Res* 24:906-14, Jun 64  
Metastasis from the brain. Greene HS, et al. *Cancer Res* 24:1021-7, Jul 64  
Cancer of the head and neck in children. Sutow WW. *JAMA* 190:414-6, 2 Nov 64  
Malignant lymphoma-cells in the cerebrospinal fluid. Janota I. *Lancet* 2:677-8, 20 Sep 64  
Lymphomas: relationship between dosage and recurrence. Jacobs ML, et al. *Radiology* 83:106-7, Jul 64

## LYMPHOMA, GIANT FOLLICULAR

In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. Hirschhorn K, et al. *Lancet* 2:842-3, 17 Oct 64

## LYMPHOSARCOMA

Tumors of the small bowel. Schmutzer KJ, et al. *Amer J Surg* 108:270-6, Aug 64  
Anuria due to uric acid crystalluria: an unusual complication of therapy in the reticuloses. Conolly ME, et al. *Brit J Cancer* 18:247-51, Jun 64  
A search for the Burkitt lymphoma in tropical Central America. Rowe NH, et al. *Brit J Cancer* 18:228-32, Jun 64  
Biochemical and carcinostatic effects of 2'-deoxythioguanosine. LePage GA, et al. *Cancer Res* 24:835-40, Jun 64  
Tumors occurring in newborn mice after inoculation of human cancer material. Moore AE, et al. *Cancer Res* 24:765-9, Jun 64  
Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. Rutman RJ, et al. *Cancer Res* 24:626-33, May 64  
Effect of administration of the enzyme glutaminase on the growth of cancer cells. Greenberg DM, et al. *Cancer Res* 24:957-63, Jul 64  
Observations on intralymphatic radiotherapy and general chemotherapy. Chiappa S, et al. *Clin Radiol* 15:202-9, Jul 64  
Pathology of tumours in children. Steward JK. *J Clin Path* 17:407-10, Jul 64  
Immunological removal of circulating I-131-labeled rabbit antibody to rat fibrinogen in normal and tumor-bearing rats. Spar IL, et al. *J Nucl Med* 5:428-43, Jun 64  
Lymphomas: relationship between dosage and recurrence. Jacobs ML, et al. *Radiology* 83:106-7, Jul 64  
The use of endoxan in the treatment of cancer. A reply by Noristan Laboratories (PTY.) LTD. and Asta-Werke A.G. *S Afr Med J* 38:Suppl:1-6, 15 Aug 64

## LYSERGIC ACID DIETHYLAMIDE

The effect of LSD on the sleep cycle of the cat. Hobson JA. *Electroenceph Clin Neurophysiol* 17:52-6, Jul 64

## LYSINE

Incorporation of L-lysine-U-C14 into proteins of cryptorchid testis slices. Davis JR, et al. *Amer J Physiol* 207:50-4, Jul 64  
Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA. *Cancer Res* 24:619-25, May 64  
Treatment of diabetes insipidus: synthetic lysine vasopressin nasal solution. Dingman JF, et al. *J Clin Endocr* 24:550-3, Jun 64  
Assay of urokinase preparations with the synthetic



substrate acetyl-L-lysine methyl ester. Sherry S, et al. *J Lab Clin Med* 64:145-53, Jul 64  
 An experimental study of tissue-concentration ratios of As74 arsenate and labeled organic conjugates. McQueen JD, et al. *J Neurosurg* 21:641-6, Aug 64  
 Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 63:358-64, Aug 64

## LYSOLECITHIN

[The antigen-antibody reaction of isolated tissue mast cells and the complement system] Keller R. *Int Arch Allerg* 24:Suppl:13-4, 1964 (Ger)

## LYSOSOMES

Lysosomes. *Brit Med J* 5415:962-3, 17 Oct 64

## MACROGLOBULINS

Immunoglobulins. Deficiencies of immunoglobulins. Squire JR. *Proc Roy Soc Med* 57:749-52, Aug 64

## MACROPHAGES

Aminopeptidase activity in myocardial infarction of man. A histochemical study. Monis B, et al. *Amer J Path* 44:867-76, Jun 64  
 Electron-microscope observations on the phagocytosis of neutrophil polymorphonuclear leucocytes by macrophages. Brewer DB. *J Path Bact* 88:307-9, Jul 64  
 The culture in vitro of lymphoid cells obtained from rabbit lymph nodes. Foft JW, et al. *Lab Invest* 13:575-80, Jun 64  
 Antigen-stimulated desoxyribonucleic-acid synthesis in vitro by sensitised mouse macrophages. Rowley D, et al. *Lancet* 2:734-5, 3 Oct 64  
 Action of isoimmune serum on peritoneal cells in vitro. Bennett B, et al. *Proc Soc Exp Biol Med* 116:404-9, Jun 64

## MACULA LUTEA

The ultrastructure of Bruch's membrane. 3. The macular area of the human eye. Nakaizumi Y, et al. *Arch Ophthalmol* (Chicago) 72:395-400, Sep 64  
 Relation of macular and other holes to the insertin of the inferior oblique. el Massri A. *Brit J Ophthalmol* 47:90-4, Feb 63  
 Bilateral eccentric fixation with no ocular deviation in a case of heredo-macular degeneration. Dalgleish R, et al. *Brit J Ophthalmol* 47:11-3, Jan 63  
 Optic neuritis, papillitis, and neuronal retinopathy. Behrman S. *Brit J Ophthalmol* 48:209-17, Apr 64

## MADUROMYCOSIS

Mycetoma in the United States; a review and report of seven additional cases. Green WO Jr, et al. *Amer J Clin Path* 42:75-91, Jul 64  
 Mycetoma in North India due to *Nocardia brasiliensis*. First report of *N. brasiliensis* from Asia. Klokke AH. *Trop Geogr Med* 16:170-1, Jun 64

## MAGNESIUM

Studies on magnesium in ruminant nutrition. 5. The indirect determination of the intake of magnesium, calcium and potassium by the grazing cow. Field AC. *Brit J Nutr* 18:357-68, 1964  
 A method for determination of magnesium in serum and urine. Sky-Peck HH. *Clin Chem* 10:391-8, May 64  
 Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from *Mycobacterium tuberculosis*. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64  
 The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction. Zewe V, et al. *J Biol Chem* 239:1625-34, May 64  
 Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64  
 Effect of dietary magnesium and fluoride on citric acid content of chick bones. Griffith FD, et al. *Proc Soc Exp Biol Med* 116:622-3, Jul 64

## MAGNESIUM SULFATE

[On the therapy of tetanus] Izar G. *Minerva Med* 55:2409-12, 18 Aug 64 (It)

## MALABSORPTION SYNDROMES

Gastrointestinal resections and malabsorption. Larmi TK. *Ann Chir Gynaec Fenn* 53:315-27, 1964  
 Milk intolerance in tropical malabsorption syndrome. Role of lactose malabsorption. Jeejeebhoy KN, et al. *Lancet* 2:666-8, 20 Sep 64  
 Disaccharide intolerance and mucoviscidosis. Desai HG. *Lancet* 2:645-6, 19 Sep 64  
 Disaccharide intolerance and mucoviscidosis. Nordio S, et al. *Lancet* 2:819, 10 Oct 64  
 Chronic diarrhoea and the pancreas. Hillman HS. *Med J Aust* 2:296-8, 22 Aug 64

Secondary disaccharidase deficiency in adult celiac disease (nontropical sprue) and other malabsorption states. Plotkin GR, et al. *New Eng J Med* 271:1033-7, 12 Nov 64

## MALARIA CONTROL

Report on malaria eradication in Surinam. Van Der Kuyp E. *Trop Geogr Med* 16:172-3, Jun 64

## MALATE DEHYDROGENASE

Histochemistry of the retina in the alloxan-diabetic rat. Newell FW, et al. *Brit J Ophthalmol* 47:598-600, Oct 63  
 Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64

## MALIGNANT CARCINOID

### SYNDROME

Assay of carcinoid tumor for quinonoid derivatives of 5-hydroxytryptamine. Bates HR Jr, et al. *Amer J Clin Path* 42:55-7, Jul 64  
 Bronchial carcinoid with osteoblastic metastases. Cases with carcinoid syndrome. Hyman GA, et al. *Arch Intern Med* (Chicago) 114:541-6, Oct 64  
 Neuromyopathy associated with a malignant carcinoid tumor. A case report. Green D, et al. *Arch Intern Med* (Chicago) 114:494-6, Oct 64  
 Severe flushing reactions responsive to steroids in patients with bronchial carcinoid. Sjoerdsma A, et al. *Lancet* 2:791-2, 10 Oct 64

## MALOCCLUSION

Effect of cortisone, amputation, and food restriction on growth of rat maxillary incisors. Wellband WA, et al. *Proc Soc Exp Biol Med* 116:718-20, Jul 64

## MALONATES

Mode of inhibition of sporulation of *Bacillus cereus* by ethyl malonate and ethyl succinate. Kominek LA, et al. *J Bact* 88:263, Jul 64  
 Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al. *J Biol Chem* 239:1346-56, May 64  
 In vivo inhibition of lipogenesis by biotin deficiency. Donaldson WE. *Proc Soc Exp Biol Med* 116:662-4, Jul 64

## MALTOSE

Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. Auricchio S, et al. *Lancet* 2:914, 24 Oct 64

## MAMMAE

In vitro studies on mouse mammary gland response to hormonal treatment. Ranadive KJ, et al. *Brit J Cancer* 18:308-11, Jun 64  
 Differential responsiveness to hormones of C3H and A mouse mammary tissues in organ culture. Rivera EM. *Endocrinology* 74:853-64, Jun 64  
 The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64  
 Interchangeability of adrenocortical hormones in initiating mammary secretion in vitro. Rivera EM. *Proc Soc Exp Biol Med* 116:568-72, Jul 64

## MAMMALS

Field and laboratory studies on eastern encephalitis in warm- and cold-blooded vertebrates. Hayes RO, et al. *Amer J Trop Med* 13:595-606, Jul 64

## MAMMARY NEOPLASMS, EXPERIMENTAL

The antigenic composition of tumours, sera and urines of tumour-bearing mice and the partial purification of two antigens present in increased amounts. Witz I, et al. *Brit J Cancer* 18:397-406, Jun 64  
 The uptake of fluorescent labelled proteins by normal and tumour tissues in vivo. Easty GC. *Brit J Cancer* 18:368-77, Jun 64  
 Biochemical and carcinostatic effects of 2'-deoxythioguanosine. LePage GA, et al. *Cancer Res* 24:835-40, Jun 64  
 Serum properdin in tumor-bearing mice. I. Comparison with natural and immune antibodies. Schwartz EE, et al. *Cancer Res* 24:825-9, Jun 64  
 Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Yokoro K, et al. *Cancer Res* 24:633-8, May 64  
 Effect of orotic acid on the metastasis of mammary

tumors in mice. Chu EW, et al. *Cancer Res* 24:671-3, May 64  
 Characterization of a transplantable lactating mammary tumor: endocrinological, morphological, and biochemical aspects. Hilf R, et al. *Cancer Res* 24:812-23, Jun 64  
 Tumors occurring in newborn mice after inoculation of human cancer material. Moore AE, et al. *Cancer Res* 24:765-9, Jun 64  
 Combination therapy with cyclophosphamide and zymosan on a spontaneous mammary cancer in mice. Martin DS, et al. *Cancer Res* 24:652-4, May 64  
 Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64  
 Inhibition of mammary cancer in rats by a dithiocarbamoylhydrazine (ICI-33,828). Shay H, et al. *Cancer Res* 24:998-1001, Jul 64  
 Phagocytosis in vivo of heterologous red cells in mice with transplanted tumors. Stern K. *Cancer Res* 24:1063-9, Jul 64  
 Acquisition of heightened resistance and susceptibility to spontaneous mouse mammary carcinomas in the original host. Weiss DW, et al. *Cancer Res* 24:732-41, May 64  
 The effect of sodium bromide on tumor growth. Taylor A, et al. *Cancer Res* 24:751-3, May 64  
 Mammary tumor induction by estrogen or anterior pituitary hormones in ovariectomized rats given 7, 12-dimethyl-1, 2-benzanthracene. Talwalker PK, et al. *Proc Soc Exp Biol Med* 116:531-4, Jun 64  
 Tumoricidal factor in laser radiation. Minton JP, et al. *Surg Forum* 15:335-6, 1964  
 Histogenesis of breast cancer. Rigden MC, et al. *Surg Forum* 15:356-7, 1964  
 Mechanism and site of action of radioactive phosphorus labeled stilbestrol on experimental hormone sensitive breast cancer. Fletcher WS, et al. *Surg Forum* 15:358-60, 1964

## MANDELIC ACID

False positive reaction due to methocarbamol in the screening test for vanilmandelic acid (VMA). Campbell DJ, et al. *Clin Chem* 10:447-50, May 64  
 Chemical tests for pheochromocytoma. Kelleher J, et al. *J Clin Path* 17:399-404, Jul 64  
 Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. *J Path Bact* 88:159-66, Jul 64

## MANDIBLE

[Microradiographic study of bone affected by Paget's disease] Frank RM, et al. *Presse Med* 72:2291-4, 23 Sep 64 (Fr)

## MANDIBULAR NEOPLASMS

A fatal case of ameloblastoma (adamantinoma). Ramon Y, et al. *Brit J Plast Surg* 17:320-4, Jul 64

## MANDIBULOFACIAL DYSOSTOSIS

Mandibulofacial dysostosis, a familial study of five generations. Rovin S, et al. *J Pediat* 65:215-21, Aug 64

## MANGANESE

The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction. Zewe V, et al. *J Biol Chem* 239:1625-34, May 64  
 Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64  
 Serum manganese in myocardial infarction. Sparkman TC, et al. *Proc Soc Exp Biol Med* 116:778-81, Jul 64

## MANNITOL

Effects of infusion of hypertonic mannitol on electrolyte balance and on osmolality of serum and cerebrospinal fluid. Wise BL. *J Neurosurg* 20:961-7, Nov 63  
 Effects of urea and other dehydrating agents upon dog brain. Goldstein SL, et al. *J Neurosurg* 21:672-7, Aug 64  
 The counter current system and osmotic diuresis. Lillen OM, et al. *J Urol* 92:9-16, Jul 64  
 The alterations in glomerular filtration rate, osmolar, and free water clearance during mannitol osmotic diuresis. Murphy GP, et al. *J Urol* 92:17-24, Jul 64  
 Genetic recombination by transduction between mannitol-negative mutants of *Staphylococcus aureus*. Murphey WH, et al. *Proc Soc Exp Biol Med* 116:544-8, Jun 64  
 Diuresis following administration of the antidiuretic hormone. Boba A, et al. *Surg Forum* 15:20-1, 1964  
 Response to mannitol under conditions simulating irrigant infusion during transurethral resection. Jones WR, et al. *Surg Forum* 15:483-5, 1964  
 Effect of mannitol on renal tissue osmolality. Long DD, et al. *Surg Forum* 15:15-6, 1964  
 Correction of the renal concentrating defect in hemorrhagic shock. Wright HK, et al. *Surg Forum* 15:18-20, 1964



Influence of mannitol infusion upon extracorporeal renal storage. Hoffman A, et al  
*Surg Forum* 15:500-1, 1964

## MANOMETRY

An isothermal system for manometric measurement of changes of volume. Greenfield AD.  
*J Appl Physiol* 19:811-2, Jul 64

## MASS SCREENING TECHNIQS

Effect of cytologic program on pelvic examinations. Dublin IN, et al.  
*Arch Environ Health (Chicago)* 9:514-20, Oct 64  
The prevention of cervical cancer. Who takes the smears? Wolfendale M, et al. *Lancet* 2:901-2, 24 Oct 64

## MAST CELLS

Aminopeptidase activity in myocardial infarction of man. A histochemical study. Monis B, et al.  
*Amer J Path* 44:867-76, Jun 64  
[The antigen-antibody reaction of isolated tissue mast cells and the complement system] Keller R.  
*Int Arch Allerg* 24:Suppl:13-4, 1964 (Ger)

## MASTICATION

Disorders of the temporomandibular joint. Waite DE.  
*Plast Reconstr Surg* 34:186-91, Aug 64

## MATERNAL-FETAL EXCHANGE

Lead poisoning during pregnancy. Fetal tolerance of calcium disodium edetate. Angie CR, et al.  
*Amer J Dis Child* 108:436-9, Oct 64  
Transfer of water from maternal blood to amniotic fluid of live and dead fetuses in health and in some pathological conditions of the mother. A study with tritium-labelled water. Tervilä L.  
*Ann Chir Gynaec Fenn* 53:Suppl 131:1-69, 1964  
Relative transfer and binding of estradiol-6,7-3H and estriol-16-14C by the guinea pig placenta. Levitz M, et al. *Endocrinology* 74:949-54, Jun 64  
Toxicity of progesterone to mouse fetuses. Petrelli EA, et al. *Endocrinology* 75:145-6, Jul 64  
The relationship of gamma-1A globulin and reagin in cord sera. Allansmith M, et al.  
*J Allerg* 35:339-45, Jul-Aug 64  
Failure of erythromycin estolate therapy in in utero syphilis. South MA, et al. *JAMA* 190:70-1, 5 Oct 64  
Maternal transmission of a new group-C(6/9) chromosomal syndrome. Rohde RA, et al.  
*Lancet* 2:838-40, 17 Oct 64  
Isoimmunization of the Rh-negative mother during the third stage of labor. Clark TL, et al.  
*Obstet Gynec* 23:764-7, May 64  
Placental permeability to sucrose: a source of error in measuring volumes of sucrose distribution in gravidas. Chesley LC, et al.  
*Obstet Gynec* 23:795-8, May 64  
Effects of Ce144 administered to pregnant rats. McFee AF. *Proc Soc Exp Biol Med* 116:712-5, Jul 64  
Study of virulence and tumorigenicity of variants of herpes simplex virus. Rapp F, et al.  
*Proc Soc Exp Biol Med* 116:361-5, Jun 64  
Uptake of ethionine-ethyl-H3 by the rat conceptus. Schultz RL, et al.  
*Proc Soc Exp Biol Med* 116:604-7, Jul 64  
Autoradiographic investigations of 14-C-labelled thalidomide and glutethimide in pregnant mice. Koransky W, et al.  
*Proc Soc Exp Biol Med* 116:512-6, Jun 64  
Placental transfer of free fatty acids in the pregnant rat. Koren Z, et al.  
*Proc Soc Exp Biol Med* 116:411-4, Jun 64

## MATERNAL MORTALITY

Labour following caesarean section in a primitive community. A study of 801 patients.  
Mitford-Barberton GD, et al.  
*J Obstet Gynaec Brit Comm* 71:469-73, Jun 64

## MATERNAL WELFARE

Effects of early discharge after hospital confinement. McEwan ED. *Lancet* 2:744-5, 3 Oct 64  
"The normal puerperium in ten days". Rhodes P. *Lancet* 2:746-7, 3 Oct 64

## MAXILLARY NEOPLASMS

Results of radiation dosimetry in telecobalt and roentgen therapy. Voutilainen A, et al.  
*Ann Chir Gynaec Fenn* 53:357-63, 1964

## MAXILLARY SINUS

Malignant salivary gland tumours of the nasal sinuses and exophthalmos. Mortada A.  
*Brit J Ophthalm* 47:279-84, May 63

Metallic foreign body in the maxillary sinus. Kozlowski K, et al. *Lancet* 2:698, 20 Sep 64

## MEASLES

Optic neuritis in measles. Srivastava SP, et al.  
*Brit J Ophthalm* 47:180-1, Mar 63  
Prophylactic gamma globulin and live measles vaccine in an island of measles. Brody JA, et al.  
*Lancet* 2:811-3, 10 Oct 64

## MEASLES VACCINE

Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. Benson PF, et al.  
*Brit Med J* 5413:851-3, 3 Oct 64  
Prophylactic gamma globulin and live measles vaccine in an island of measles. Brody JA, et al.  
*Lancet* 2:811-3, 10 Oct 64  
Protection against measles in West Africa.  
*Public Health Rep* 79:862, Oct 64

## MEAT

Nutritional effects of autoxidized fats in animal diets. Beef fat in the diet of rats. Lea CH, et al.  
*Brit J Nutr* 18:369-84, 1964  
Immunofluorescent staining of *Bacillus anthracis* in dried beef. Biegeleisen JZ Jr. *J Bact* 88:260-1, Jul 64  
Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. Carew LB Jr, et al. *J Nutr* 83:300-6, Aug 64  
Meat production in South Africa. Hirzel R.  
*S Afr Med J* 38:629-31, 22 Aug 64

## MECAMYLAMINE

Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. Pardo EG, et al. *J Pharmacol Exp Ther* 144:124-30, Apr 64

## MECHLORETHAMINE

Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard. Golder RH, et al. *Cancer Res* 24:964-8, Jul 64  
Complement-fixation titers in experimental coccidioidomycosis in rabbits. Brosbe EA, et al.  
*J Bact* 88:233-41, Jul 64  
Effect of hyperbaric oxygen and cancer chemotherapy on growth of animal tumors. DeCosse JJ, et al.  
*Surg Forum* 15:203-5, 1964  
Internal fluid shifts secondary to intraperitoneal nitrogen mustard. Brown FE, et al.  
*Surg Forum* 15:386-7, 1964  
Effect of bronchial arterial infusion of mechlorethamine on pulmonary structure in the experimental animal. Hockman RP, et al.  
*Surg Forum* 15:194-6, 1964

## MECONIUM

Management of complicated meconium ileus. Hill JT, et al. *Amer J Surg* 108:233-8, Aug 64  
Intestinal obstruction in mucoviscidosis. Cohen D. *Aust New Zeal J Surg* 34:47-9, Aug 64  
A histological study of experimental aminotic-fluid and meconium embolism in dogs. Attwood HD.  
*J Path Bact* 88:285-90, Jul 64

## MEDIAN NERVE

Neurosurgical disorders affecting the hand. Feindel W. *Surg Clin N Amer* 44:1031-6, Aug 64  
[Muscle-tendon transplantations for paralysis of the upper extremity] Iselin F.  
*Presse Med* 72:2339-42, 26 Sep 64 (Fr)

## MEDIASTINAL NEOPLASMS

Pitfalls in diagnosis of mediastinal tumors. Evaluation of 100 cases. Kalter YE, et al.  
*Dis Chest* 46:174-80, Aug 64  
Tracheal and esophageal obstructions in infants. Ochsner JL, et al. *Southern Med J* 57:1333-9, Nov 64

## MEDIASTINUM

Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog. Miller AJ, et al.  
*Proc Soc Exp Biol Med* 116:392-4, Jun 64

## MEDICAL RECORDS

A system of coding medical data for punched-card machine retrieval. 1. As applied to epilepsy. Ommaya AK, et al. *Epilepsia (Amst)* 5:192-200, Jun 64

## MEDICINE IN ART

Goiter in Gandhara. A representation in a second to

third century AD frieze. Blumberg BS.  
*JAMA* 189:1008-12, 26 Sep 64

## MEDROXYPROGESTERONE

Effect of intra-amniotic administration of progesterone and 6-methyl-17-acetoxy-progesterone on oxytocin-induced labour in rabbits. Fuchs AR. *Acta Endocr (Kobenhavn)* 46:235-44, Jun 64  
Constitutional isosexual precocious puberty. Effects of medroxyprogesterone acetate therapy. Collipp PJ, et al. *Amer J Dis Child* 108:399-405, Oct 64  
Biologic effects of melengestrol acetate. Duncan GW, et al. *Fertil Steril* 15:416-32, Jul-Aug 64

## MEDULLOBLASTOMA

The medulloblastoma and the so-called "arachnoidal cerebellar sarcoma". Rubinstein LJ, et al.  
*Brain* 87:379-412, Jun 64  
Tumours of the central nervous system in children. Yates PO. *J Clin Path* 17:418-22, Jul 64  
Medulloblastomas and cerebellar sarcomas: a clinical survey. Berger EC, et al.  
*J Neurosurg* 20:139-44, Feb 63  
Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. Abraham J, et al. *J Neurosurg* 20:252-3, Mar 63  
Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. *J Neurosurg* 20:474-93, Jun 63

## MEGAKARYOCYTES

Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. Romsdahl MM, et al.  
*Surg Forum* 15:346-8, 1964

## MELANIN

The incorporation of C14 from 3,4-dihydroxyphenylalanine-2'-C14 into the melanin of mouse melanomas. Blois MS Jr, et al.  
*Cancer Res* 24:863-8, Jun 64

## MELANOMA

Malignant melanoma en plaque. Local extraocular extension. Alexander RL, et al.  
*Arch Ophthalm (Chicago)* 72:498-500, Oct 64  
Tracer studies on a transplantable hamster melanoma. Potts AM. *Arch Ophthalm (Chicago)* 72:359-64, Sep 64  
Melanoma or no. Cogan DG.  
*Arch Ophthalm (Chicago)* 72:451-2, Oct 64  
Malignant melanoma of the choroid of a peculiar cavernous type. Clinical manifestation by hemorrhage of the vitreous body. Jensen OA.  
*Arch Ophthalm (Chicago)* 72:337-40, Sep 64  
Recurrent malignant melanoma of the iris. Cleasby GW.  
*Arch Ophthalm (Chicago)* 72:332-6, Sep 64  
Lesions mistaken for malignant melanoma of the posterior uvea. A clinicopathologic analysis of 100 cases with ophthalmoscopically visible lesions. Ferry AP. *Arch Ophthalm (Chicago)* 72:463-9, Oct 64  
Malignant melanomata of the choroid. François J. *Brit J Ophthalm* 47:736-43, Dec 63  
Malignant melanoma of the lacrimal sac. Duguid IM.  
*Brit J Ophthalm* 48:394-8, Jul 64  
Endolymphatic therapy with radioactive gold for malignant melanoma. Jantet GH, et al.  
*Brit Med J* 5414:904-6, 10 Oct 64  
Management of malignant melanoma. Green A.  
*Brit Med J* 5418:1200-1, 7 Nov 64  
The incorporation of C14 from 3,4-dihydroxyphenylalanine-2'-C14 into the melanin of mouse melanomas. Blois MS Jr, et al.  
*Cancer Res* 24:863-8, Jun 64  
Metastasis from the brain. Greene HS, et al.  
*Cancer Res* 24:1021-7, Jul 64  
Cancer in pregnancy. Cade S.  
*J Obstet Gynaec Brit Comm* 71:341-8, Jun 64  
An analysis of melanoprotein from amphiuma liver and from a human liver melanoma. Hack MH, et al.  
*Proc Soc Exp Biol Med* 116:348-50, Jun 64  
Tumoricidal factor in laser radiation. Minton JP, et al.  
*Surg Forum* 15:335-6, 1964  
Hyperbaric oxygen and 5-fluorouracil in the treatment of experimental melanoma. Kinsey DL.  
*Surg Forum* 15:205-6, 1964  
Effect of hyperbaric oxygen and cancer chemotherapy on growth of animal tumors. DeCosse JJ, et al.  
*Surg Forum* 15:203-5, 1964  
[Palliative treatment of cancers with thio-TEPA. Study of 115 cases. Value in breast cancers] Lagarde C, et al.  
*Presse Med* 72:2285-90, 23 Sep 64 (Fr)

## MELKERSSON-ROSENTHAL SYNDROME

Melkersson's syndrome. Scott GA.  
*Brit J Clin Pract* 18:415-8, Jul 64



## MENIERE'S DISEASE

General anesthesia in the ultrasound irradiation of the posterior labyrinth in severe Menière's disease. Arslan M, et al. *Ann Otol* 73:328-31, Jun 64

## MENINGEAL ARTERIES

Bilateral carotico-cavernous fistulae. Hypopituitarism from bilateral carotid ligation for surgical cure. Jamieson KG. *Aust New Zeal J Surg* 34:1-10, Aug 64  
Angiographic images of false aneurysmal sac caused by rupture of median meningeal artery in the course of traumatic extradural hematomata: report of 3 cases. Pallas JE, et al. *J Neurosurg* 21:667-71, Aug 64  
Cinephotomicrographic studies of the plal vasculature in the monkey and cat. Scratch GP, et al. *Surg Forum* 15:409-10, 1964

## MENINGES

[Acute myeloblastic leukemia with prolonged course and isolated and late encephalo-meningeal localization] Ougier J, et al. *Presse Med* 72:2227-8, 19 Sep 64 (Fr)

## MENINGIOMA

Ectopic meningioma in an infant. Khanna SD, et al. *Arch Surg (Chicago)* 89:752-4, Oct 64  
Optic nerve compression by an intracranial meningioma. Sanders MD, et al. *Brit J Ophthal* 48:13-8, Jan 64  
The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64  
Preoperative hormonal treatment in cases of cerebral tumor. Bernard-Weil E, et al. *J Neurosurg* 20:841-8, Oct 63  
Spinal epidural meningioma: case report. Haft H, et al. *J Neurosurg* 20:801-4, Sep 63  
Meningioma in the foramen magnum in a boy aged 8 years. Porras CL. *J Neurosurg* 20:167-8, Feb 63  
Metastatic carcinoma in a meningioma: report of a case. Best PV. *J Neurosurg* 20:892-4, Oct 63  
Relative diagnostic value of air study and angiography in suprasellar masses. Bakay L, et al. *J Neurosurg* 20:729-39, Sep 63  
Pigmented meningioma. Turnbull IM, et al. *J Neurosurg* 20:76-80, Jan 63  
Meningioma and astrocytoma adjacent in the brain. Nagashima C, et al. *J Neurosurg* 20:995-9, Nov 63  
Meningioma of the fourth ventricle. Chaffee B, et al. *J Neurosurg* 20:520-2, Jun 63  
Suprachiasmatic and intraventricular meningioma in a four-year-old child. Teng P, et al. *J Neurosurg* 20:174-6, Feb 63  
Meningiomas of the posterior fossa without dural attachment: a case report. Abraham J, et al. *J Neurosurg* 20:177-9, Feb 63  
Cryogenic freezing of brain tumors for excision or destruction in situ. Cooper IS, et al. *J Neurosurg* 20:921-30, Nov 63  
Meningiomas of the foramen magnum. Styn BM, et al. *J Neurosurg* 20:740-51, Sep 63  
Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. *J Neurosurg* 20:474-93, Jun 63  
Fatty-acid analysis of meningiomas by gas-phase chromatography. Stein AA, et al. *J Neurosurg* 20:435-8, May 63  
The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. *Radiology* 83:26-35, Jul 64

## MENINGITIS

Neurogenic intermittent claudication. Evans JG. *Brit Med J* 5415:985-7, 17 Oct 64  
A case of meningitis due to Clostridium welchii. Willis AT, et al. *J Path Bact* 88:312-4, Jul 64  
Case records of the Massachusetts General Hospital. Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64

## MENINGITIS, MENINGOCOCCIC

[Current clinical and therapeutic aspects of meningococcal infections. Vic-Dupont, et al. *Presse Med* 72:2313-6, 26 Sep 64 (Fr)

## MENINGITIS, PNEUMOCOCCAL

Untoward sequelae eleven months following stapedectomy. Wolff D. *Ann Otol* 73:297-304, Jun 64

## MENINGOCELE

Further experience with the radio transmitter receiver unit for the neurogenic bladder. Bradley WE, et al. *J Neurosurg* 20:953-60, Nov 63

## MENOPAUSE

The menopause and its symptoms. Newton M, et al. *Southern Med J* 57:1309-13, Nov 64  
Vaginal electro potentials--a new technique for assessing the estrogenic status of patients. Mozdén PJ, et al. *Surg Forum* 15:379-81, 1964

## MENSTRUATION

Hormonal influence in simple glaucoma. A preliminary report. Paterson GD, et al. *Brit J Ophthal* 47:129-37, Mar 63  
Variations in plasma renin during the menstrual cycle. Brown JJ, et al. *Brit Med J* 5417:1114-5, 31 Oct 64  
Light-dark periodicity and the Rhesus-monkey menstrual cycle. Erikson LE. *Fertil Steril* 15:352-66, Jul-Aug 64  
Day of conception in relation to length of menstrual cycle. A study of 65 conceptions resulting from isolated coitus. Murphy DP, et al. *Fertil Steril* 15:385-9, Jul-Aug 64  
I-131-uptake in cervical mucus during the menstrual cycle. Parisier HE, et al. *Fertil Steril* 15:433-9, Jul-Aug 64  
Effect of pregnancy and of the menstrual cycle on hypoparathyroidism. Graham WP 3d, et al. *J Clin Endocr* 24:512-6, Jun 64  
Autoimmune progesterone dermatitis. Cure by oophorectomy. Shelley WB, et al. *JAMA* 190:35-8, 5 Oct 64

## MENSTRUATION DISORDERS

Dermatological and ophthalmological changes associated with prolonged chlorpromazine therapy. Feldman PE, et al. *Amer J Psychiat* 121:187-8, Aug 64

## MENTAL DEFICIENCY

Supravulvar aortic stenosis. Underdevelopment and characteristic facies. Farrehi C, et al. *Amer J Dis Child* 108:335-40, Oct 64  
Brachydactyly, peculiar facies and mental retardation. Coffin GS. *Amer J Dis Child* 108:351-9, Oct 64  
Association of diabetes mellitus and Friedreich's ataxia. A study of two siblings. Podolsky S, et al. *Arch Intern Med (Chicago)* 114:533-7, Oct 64  
The risk of mental subnormality and cerebral palsy. Illingworth RS. *Clin Pediat (Phila)* 3:439-42, Jul 64  
A comparison of pargyline and tranlycypromine with and without the addition of trifluoperazine: a double-blind study. Sharpley P, et al. *Curr Ther Res* 6:344-52, May 64  
Pathological findings in homocystinuria. Gibson JB, et al. *J Clin Path* 17:427-37, Jul 64  
Evaluation of the amino acid excretion pattern of mental retardates as a screening technique for inborn errors of metabolism. Stambaugh R, et al. *J Pediat* 65:301-3, Aug 64  
Congenital anomalies associated with idiopathic mental retardation. Smith DW, et al. *J Pediat* 65:189-96, Aug 64  
Klinefelter's syndrome and behaviour. Pritchard M. *Lancet* 2:762-3, 3 Oct 64  
[CB-8089 (benzperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagon C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)  
[The absence and delay of speech in children] Launay C. *Presse Med* 72:2337-8, 26 Sep 64 (Fr)

## MENTAL DISORDERS

Self-treatment of mental illness as suggested in 1834. (Heinroth JC), et al. *Amer J Psychiat* 121:193-4, Aug 64  
Selection and treatment of psychiatric outpatients; determined by the their personal and social characteristics. Brown JS, et al. *Arch Gen Psychiat (Chicago)* 11:425-36, Oct 64  
Acute aniline poisoning treated by hemodialysis. Report of a case. Lubash GD, et al. *Arch Intern Med (Chicago)* 114:530-2, Oct 64  
Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. *Curr Ther Res* 6:331-9, May 64  
Mental and seizure manifestations in relation to brain tumors. A statistical study. Güvener A, et al. *Epilepsia (Amst)* 5:166-76, Jun 64  
Leadership in community mental health. Farnsworth DL, et al. *JAMA* 190:159-63, 12 Oct 64  
Psychiatric morbidity of physicians. Duffy JC, et al. *JAMA* 189:989-92, 26 Sep 64

## MENTAL HYGIENE

Survey of mental health problems in social agency caseloads. Bemmels VG. *Amer J Psychiat* 121:136-47, Aug 64

## MENTAL HYGIENE SERVICES

Psychiatric planning at the community level. Gaylin S. *Amer J Psychiat* 121:153-9, Aug 64  
Leadership in community mental health. Farnsworth DL, et al. *JAMA* 190:159-63, 12 Oct 64  
Public expenditures for the mentally ill in New York City. Lieberman M. *Public Health Rep* 79:879-88, Oct 64

## MENTAL PROCESSES

[Late prognosis in children with surgically treated meningomyelocele] Lagrange E, et al. *Deutsch Med Wochr* 89:1457-62, 31 Jul 64 (Ger)

## MEPERIDINE

The use of mepergan for relief of pain in gynecologic tumor patients. Ullery JC, et al. *Curr Ther Res* 6:385-6, May 64

## MEPHENTERMINE

Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64

## MEPIVACAINE

Intoxication due to local anesthetics. *New Eng J Med* 271:964-5, 29 Oct 64

## MEPROBAMATE

The use of drug combinations in pediatric psychiatry. Faretra G, et al. *Curr Ther Res* 6:340-3, May 64

## MEPRYLCAINE

The use of radiolodinated serum albumin to confirm accidental intravascular insertion of epidural catheters. Duncalf D, et al. *Anesthesiology* 25:564-6, Jul-Aug 64

## MERCAPTOETHYLAMINES

Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. Rutman RJ, et al. *Cancer Res* 24:626-33, May 64

## MERCAPTOPURINE

Studies with the murine leukemogenic Rauscher virus. 3. An in vivo assay for anti-viral agents. Chirigos MA. *Cancer Res* 24:1035-41, Jul 64  
Pseudo-feedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. McCollister RJ, et al. *J Biol Chem* 239:1560-3, May 64  
Anti-leukaemic drugs. Innes J. *Practitioner* 193:101-6, Jul 64  
Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Bragonier JR, et al. *Proc Soc Exp Biol Med* 116:685-8, Jul 64  
[Acute myeloblastic leukemia with prolonged course and isolated and late encephalo-meningeal localization] Ougier J, et al. *Presse Med* 72:2227-8, 19 Sep 64 (Fr)

## MERCURY

Absorption and excretion of mercury in man. VI. Significance of mercury in urine. Jacobs MB, et al. *Arch Environ Health (Chicago)* 9:454-63, Oct 64

## MERCURY POISONING

Absorption and excretion of mercury in man. VI. Significance of mercury in urine. Jacobs MB, et al. *Arch Environ Health (Chicago)* 9:454-63, Oct 64  
A case of mercury poisoning following the use of perchloride of mercury. Royle JP. *Aust New Zeal J Surg* 34:71-2, Aug 64  
Mercuric cyanide poisoning and its treatment in dogs. Rose CL, et al. *Proc Soc Exp Biol Med* 116:371-3, Jun 64

## MESCALINE

Distribution and metabolism of mescaline-C14 in the cat brain. Neff N, et al. *J Pharmacol Exp Ther* 144:1-7, Apr 64

## MESENCEPHALON

The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64  
Pathways by which traumatic stress and ether induce increased ACTH released in the rat. Matsuda K, et al. *Endocrinology* 74:981-5, Jun 64



Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation. Bernstein PW, et al  
*J Neurosurg* 21:687-98, Aug 64

## MESENTERIC ARTERIES

Vascular manifestations of extensive thermal skin injury in rat mesentery. Horn L, et al.  
*Amer J Physiol* 207:137-43, Jul 64  
 The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al.  
*J Path Bact* 88:291-301, Jul 64  
 Splanchnic blood flow in the monkey during hemorrhagic shock. Waldhausen JA, et al.  
*Surg Forum* 15:7-8, 1964  
 Superior mesenteric artery calcification masquerading as abdominal aortic aneurysm. Its demonstration by intravenous aortography. Schreiber MH.  
*Vasc Dis* 1:209-11, Jul 64

## MESENTERIC VASCULAR

### OCCCLUSION

Lethal factor in thoracic duct lymph following superior mesenteric artery ligation. Tice DA, et al.  
*Surg Forum* 15:86-8, 1964

## MESENTERIC VEINS

Pulsatile pressures in the microcirculation of frog's mesentery. Wiederhielm CA, et al.  
*Amer J Physiol* 207:173-6, Jul 64

## MESENTERY

The transit of large molecules and particulate matter across individual endothelial cells analyzed in living animals with television microphotometry. Bloch EH, et al.  
*Angiology* 15:353-61, Aug 64  
 Torsion of the gallbladder. Royle JP.  
*Aust New Zeal J Surg* 34:68-70, Aug 64  
 Pheochromocytoma in the mesogastroid following term delivery. Wulsin JH. *JAMA* 190:242-4, 19 Sep 64

## MESTRANOL

Liver function after long-term progestational treatment with and without oestrogen. Linthorst G.  
*Brit Med J* 5414:920-1, 10 Oct 64  
 Cerebrovascular accidents and oral contraception. Zilkha KJ. *Brit Med J* 5417:1132-3, 31 Oct 64  
 Norethynodrel with mestranol in treatment of rheumatoid arthritis. Gilbert M, et al.  
*JAMA* 190:235, 19 Sep 64

## METABOLISM

Effects of feeding frequency on metabolism, rate and efficiency of gain and on carcass quality of pigs. Friend DW, et al. *J Nutr* 83:251-6, Jul 64

## METABOLISM, INBORN ERRORS

Enzymes and drug sensitivity. The genetics of serum cholinesterase 'deficiency' in relation to suxamethonium apnoea. Harris H.  
*Proc Roy Soc Med* 57:503-6, Jun 64

## METAMORPHOSIS, BIOLOGICAL

The significance of invertebrate hormones in relation to differentiation. Burdette WJ.  
*Cancer Res* 24:521-36, May 64

## METARAMINOL

Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al.  
*Amer J Physiol* 206:1196-200, Jun 64  
 Acute aniline poisoning treated by hemodialysis. Report of a case. Lubash GD, et al.  
*Arch Intern Med (Chicago)* 114:530-2, Oct 64  
 The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE.  
*J Pharmacol Exp Ther* 144:45-51, Apr 64  
 Hemodynamic effects of pressor agents in septic and myocardial infarction shock. Smulyan H, et al.  
*JAMA* 190:188-94, 19 Sep 64  
 A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al.  
*Proc Soc Exp Biol Med* 116:331-3, Jun 64  
 Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al.  
*Surg Forum* 15:25-7, 1964  
 A comparison of the physiologic effects of angiotensin with other vasoconstrictors. Rea VE, et al.  
*Surg Forum* 15:17-8, 1964  
 Effects of vasopressors and blocking agents on the kidney in oligemia. Giojubs RW, et al.  
*Surg Forum* 15:12-3, 1964

## METHACHOLINE COMPOUNDS

Use of the electroenterogram to determine pacemaker activity of the small intestine. Bunker CE, et al.  
*Surg Forum* 15:293, 1964

## METHANTHELINE

Abnormal facial sweating. Pearce JM.  
*Brit J Clin Pract* 18:409-12, Jul 64

## METHEMOGLOBIN

Two unrelated patients with congenital cyanosis due to haemoglobinopathy M. Farmer MB, et al.  
*Lancet* 2:786-9, 10 Oct 64

## METHEMOGLOBINEMIA

Hemolytic anemia due to aminosallylic acid. Anemia with methemoglobinemia. Munroe WD, et al.  
*Amer J Dis Child* 108:426-9, Oct 64  
 Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Wuerz RL, et al.  
*Arch Environ Health (Chicago)* 9:478-91, Oct 64  
 Acute aniline poisoning treated by hemodialysis. Report of a case. Lubash GD, et al.  
*Arch Intern Med (Chicago)* 114:530-2, Oct 64  
 Methaemoglobinaemia due to prilocaine. Scott DB, et al.  
*Lancet* 2:728-9, 3 Oct 64  
 [Methemoglobinemia in young infants caused by nitrite-containing spinach] Holscher PM, et al.  
*Deutsch Med Wschr* 89:1751-4, 11 Sep 64 (Ger)  
 [Life-threatening naphthalene poisoning in an infant due to Vaporin vapors] Hansler H.  
*Deutsch Med Wschr* 89:1794-7, 18 Sep 64 (Ger)

## METHICILLIN

New penicilline. Hale LJ, et al.  
*Brit Med J* 5414:940, 10 Oct 64  
 Methicillin spray and staphylococcal carriage in a neonatal unit. Jacobs J, et al.  
*J Obstet Gynaec Brit Comm* 71:543-55, Aug 64  
 An evaluation of cephalosporin derivatives in vitro and in experimental infections. Frost BM, et al.  
*J Path Bact* 88:125-36, Jul 64  
 Methicillin tolerance after penicillin G anaphylaxis. Luton EF. *JAMA* 190:39-40, 5 Oct 64

## METHIONINE

Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA.  
*Cancer Res* 24:619-25, May 64  
 Amino acid accumulation in ertionine-resistant *Saccharomyces cerevisiae*. Sorsoli WA, et al.  
*J Bact* 88:20-4, Jul 64  
 Biosynthesis of methionine in *Saccharomyces cerevisiae*. Partial purification and properties of s-adenosylmethionine: homocysteine methyltransferase. Shapiro SK, et al.  
*J Biol Chem* 239:1551-6, May 64  
 S-adenosylmethionine in skin. Bamshad J, et al.  
*J Invest Derm* 43:115-7, Aug 64  
 Parathyroid scanning with selenium-75 labelled methionine. DiGiulino W, et al.  
*J Nucl Med* 5:417-27, Jun 64  
 Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64  
 S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64  
 Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64  
 Serum aminopeptidase in pregnancy, hydatisform mole, and choriocarcinoma. Smith EE, et al.  
*Surg Forum* 15:391-2, 1964

## METHOCARBAMOL

False positive reaction due to methocarbamol in the screening test for vanilmandelic acid (VMA). Campbell DJ, et al. *Clin Chem* 10:447-50, May 64

## METHOTREXATE

Antimetabolite therapy in midline lethal granuloma. Von Leden H, et al.  
*Arch Otolaryng (Chicago)* 80:460-8, Oct 64  
 Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64  
 Studies with the murine leukemogenic Rauscher virus. 3. An in vivo assay for anti-viral agents. Chirigos MA. *Cancer Res* 24:1035-41, Jul 64  
 Studies on folic reductase. I. Levels in regenerating rat liver and the effect of methotrexate administration. Ngu VA, et al. *Cancer Res* 24:989-93, Jul 64  
 Infusion therapy for pelvic trophoblastic tumours.

Bagshawe KD, et al.  
*J Obstet Gynaec Brit Comm* 71:565-70, Aug 64  
 Anti-leukaemic drugs. Innes J.  
*Practitioner* 193:101-6, Jul 64  
 Inhibition of established tuberculin hypersensitivity by methotrexate. Friedman RM.  
*Proc Soc Exp Biol Med* 116:471-5, Jun 64  
 Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Phillips TL, et al. *Radiology* 83:98-105, Jul 64  
 Effect of hyperbaric oxygen and cancer chemotherapy on growth of animal tumors. DeCosse JJ, et al.  
*Surg Forum* 15:203-5, 1964  
 Histologic pattern in the auto- and homotransplanted dog lung. Archer FL, et al. *Surg Forum* 15:154-6, 1964  
 Alveolar surfactant in lung homotransplantation and hilar stripping. Yeh TJ, et al.  
*Surg Forum* 15:191-2, 1964  
 Effect of griseofulvin-methotrexate combination treatment upon Ehrlich's ascites tumor growth. Walker EE. *Surg Forum* 15:360-2, 1964  
 [Acute myeloblastic leukemia with prolonged course and isolated and late encephalo-meningeal localization] Ougier J, et al.  
*Presse Med* 72:2227-8, 19 Sep 64 (Fr)

## METHOXAMINE

Effects of several cardiovascular drugs on various phases of circulatory dynamics. Aldinger EE.  
*Amer Heart J* 68:55-65, Jul 64  
 Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al.  
*Amer J Physiol* 206:1196-200, Jun 64  
 Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al.  
*Amer J Physiol* 206:1201-6, Jun 64

## METHYCLOTHIAZIDE

Management of critical and chronic hypertension. Mozan AA, et al. *Indust Med Surg* 33:556-9, Aug 64

## METHYLCELLULOSE

'Orabase' in the management of abdominal-wall digestion by ileostomy and fistulas. Sircus W.  
*Lancet* 2:762, 3 Oct 64

## METHYLCHOLANTHRENE

Intramuscular precancerous lesions from hydrocarbons. Ikuta F, et al.  
*Arch Path (Chicago)* 78:377-89, Oct 64  
 3-methylcholanthrene concentration and clearance in some adipose tissues in mice. Hoshino K, et al.  
*Cancer Res* 24:648-51, May 64  
 Inhibition of mammary cancer in rats by a dithiocarbamoylhydrazine (ICI-33,828). Shay H, et al.  
*Cancer Res* 24:998-1001, Jul 64  
 The effect of methylcholanthrene on rat prostate glands grown in natural and semi-defined medium. Lasnitzki I. *Cancer Res* 24:973-82, Jul 64  
 Damage to the thymus and other lymphoid tissues from 3-methylcholanthrene, and subsequent thymoma production, in mice. Yasuhira K.  
*Cancer Res* 24:558-69, May 64  
 Age and sex factors in experimental brain tumors. Perese DM. *Surg Forum* 15:429-31, 1964

## METHYLDOPA

Guanethidine and methyldopa: a haemodynamic study. Chamberlain DA, et al. *Brit Heart J* 26:528-36, Jul 64  
 Effects of guanethidine, reserpine, and methyldopa on reflex venous and arterial constriction in man. Mason DT, et al. *J Clin Invest* 43:1449-63, Jul 64  
 [Clinical trial of a hypotensive drug: 3,4-dihydroxy-d-l-phenylalanine or Methyldopa] Milliez P, et al. *Presse Med* 72:2519-20, 17 Oct 64 (Fr)

## METHYLENE BLUE

Hemodynamic responses to induced tachycardia in methylene blue-treated dogs. Afonso S, et al.  
*Amer J Physiol* 206:1279-80, Jun 64  
 Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Wuerz RL, et al.  
*Arch Environ Health (Chicago)* 9:478-91, Oct 64  
 Acute aniline poisoning treated by hemodialysis. Report of a case. Lubash GD, et al.  
*Arch Intern Med (Chicago)* 114:530-2, Oct 64

## METHYLPHENIDATE

Report of an unusually large dosage of methylphenidate hydrochloride. Pollack B.  
*Amer J Psychiat* 121:189-90, Aug 64  
 A study of methylphenidate and diazepam as possible smoking deterrents. Whitehead RW, et al.  
*Curr Ther Res* 6:363-7, May 64



## METHYLPREDNISOLONE

Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. Lerner LJ, et al.  
**Proc Soc Exp Biol Med** 116:385-8, Jun 64  
 Bioassay of adrenocorticosteroids by the dog eosinophil response. Tonelli G, et al.  
**Proc Soc Exp Biol Med** 116:501-6, Jun 64  
 Influence of the adrenal glands upon fracture healing. Greenburg F, et al. **Surg Forum** 15:445-8, 1964  
 Metabolic responses to various vasoactive and cardiostimulant agents in hypovolemia. Unal M, et al. **Surg Forum** 15:25-7, 1964  
 Use of steroids in clinical and experimental cerebral edema. Scialabba DA, et al. **Surg Forum** 15:426-7, 1964

## METHYLTESTOSTERONE

Hypocholesterolemic effect of an androsterone analogue. Ranney RE, et al.  
**Proc Soc Exp Biol Med** 116:596-9, Jul 64

## METHYSERGIDE

Factors influencing renal blood flow during isolated perfusion. Belzer FO, et al. **Surg Forum** 15:222-4, 1964

## MEVALONIC ACID

Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al. **J Biol Chem** 239:1346-56, May 64  
 Effect of 22,25-diazacholesterol on synthesis of cholesterol by rat liver homogenates. Dvornik D, et al. **Proc Soc Exp Biol Med** 116:537-9, Jun 64

## MICE

Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. Browne HG, et al. **Amer J Trop Med** 13:558-71, Jul 64  
 A polystyrene mouse cage. Jones A.  
**J Clin Path** 17:470, Jul 64

## MICROBIOLOGY

A newly identified oral mycoplasma (*M. orale*) and its relationship to other human mycoplasmas. Taylor-Robinson D, et al. **Amer J Hyg** 80:135-48, Jul 64

## MICROCHEMISTRY

A rapid semiautomatic system of chemical analysis using true microspecimens. Walter AR, et al. **Clin Chem** 10:509-18, Jun 64  
 A semimicro modification of the Karr urea determination method using the Somogyi serum filtrate. Ryland ME. **Clin Chem** 10:406-11, May 64  
 Modern methods for determining cerebrospinal fluid protein. Watson D. **Clin Chem** 10:412-6, May 64

## MICROCOCOCCUS

Origin of palmitic acid carbon in palmitates formed from hexadecane-1-C-14 and tetradecane-1-C-14 by *Micrococcus cerificans*. Finnerty WR, et al.  
**J Bact** 87:1261-5, Jun 64

## MICROSCOPY

Microcirculatory studies in man by high resolution vital microscopy. Brånemark PI, et al.  
**Angiology** 15:329-32, Aug 64

## MICROSOMES

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. **Cancer Res** 24:994-7, Jul 64  
 Enzymatic n-hydroxylation of the carcinogen 2-acetylaminofluorene and the metabolism of N-hydroxy-2-acetylaminofluorene-9-14C in vitro. Irving CC. **J Biol Chem** 239:1589-96, May 64  
 Purification and properties of a microsomal enzyme system catalyzing the reactivation of reduced ribonuclease and lysozyme. Goldberger RF, et al. **J Biol Chem** 239:1406-10, May 64  
 The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al.  
**J Biol Chem** 239:1335-45, May 64  
 Incorporation of 14C and 3H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. Silbert JE.  
**J Biol Chem** 239:1310-5, May 64

## MIDWIVES

Postobstetric genitourinary-tract fistula. A report of 38 cases in a West African community. Longo LD.  
**Obstet Gynec** 23:768-73, May 64

## MIGRAINE

Headaches and migraine associated with eyestrain. Preliminary report of a trial of chlorthalidoxepoxide. Orbell G. **Brit J Ophthalmol** 47:246-7, Apr 63  
 Reflection on the problem of headache. Friedman AP.  
**JAMA** 190:445-7, 2 Nov 64

## MILIARIA

Nomenclature and classification of the disorders due to heat. **Lancet** 2:637-9, 19 Sep 64  
 The aetiology of miliaria. Loewenthal LJ, et al.  
**S Afr Med J** 38:613-5, 15 Aug 64

## MILITARY MEDICINE

The doctor and the soldier. Fergusson B.  
**New Zeal Med J** 63:407-12, Jul 64  
 [Pathology of the German generals at the Battle of the Marne] Cuvier G. **Presse Med** 72:2119-20, 29 Aug 64 (Fr)

## MILK

Nitrogen balance studies with the milk-fed lamb. 3. Effect of different nitrogen intakes on growth and nitrogen balance. Walker DM, et al.  
**Brit J Nutr** 18:295-306, 1964  
 The intake of milk and the retention of its constituents while the newborn rabbit doubles its weight. Davies JS, et al. **Brit J Nutr** 18:385-92, 1964  
 Milk intolerance in tropical malabsorption syndrome. Role of lactose malabsorption. Jeejeebhoy KN, et al.  
**Lancet** 2:686-8, 20 Sep 64

## MILK, HUMAN

Poliomyelitis antibodies in human colostrum and milk. Hodes HI, et al. **J Pediat** 65:319-20, Aug 64

## MINERAL METABOLISM

Severe undernutrition in growing and adult animals. 12. The extremities of the long bones in pigs. Pratt CW, et al. **Brit J Nutr** 18:393-408, 1964  
 The total weight of mineral in the human infant. Garrow JS, et al. **Brit J Nutr** 18:409-12, 1964  
 Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. **J Nutr** 83:225-33, Jul 64  
 Micro-analysis of bone by laser microprobe. Lithwick NH, et al. **Surg Forum** 15:439-41, 1964  
 [Colonic tumors and mineral metabolism disorder] Schulze E. **Deutsch Med Wochr** 89:1482, 31 Jul 64 (Ger)

## MIOTICS

The mitotic life. **Brit J Ophthalmol** 48:354-6, Jul 64

## MITOCHONDRIA

The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. Hawtrey AO, et al.  
**Brit J Cancer** 18:299-308, Jun 64  
 Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from *Mycobacterium tuberculosis*. Youmans AS, et al. **J Bact** 87:1346-54, Jun 64  
 The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. Bressler R, et al. **J Biol Chem** 239:1364-8, May 64  
 Mitochondrial stimulation of fatty acid biosynthesis. Bhaduri AM, et al. **J Biol Chem** 239:1357-63, May 64  
 A further purification of cytochrome oxidase. Wainio WW. **J Biol Chem** 239:1402-5, May 64  
 The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al.  
**J Biol Chem** 239:1335-45, May 64  
 Studies on carbon tetrachloride intoxication. II. Depressed amino acid incorporation into mitochondrial protein and cytochrome c. Smuckler EA, et al. **Lab Invest** 13:531-8, Jun 64  
 Treatment of experimental hemorrhagic shock in dogs with mitochondria. Hashimoto S, et al.  
**Surg Forum** 15:10-2, 1964

## MITRAL INSUFFICIENCY

Congenital mitral insufficiency associated with a ventricular septal defect. Gilbert G, et al.  
**Amer Heart J** 68:107-10, Jul 64  
 The surgical treatment of mitral regurgitation. Belcher JR. **Brit Heart J** 26:513-23, Jul 64  
 Combined percutaneous retrograde aortic and transeptal left heart catheterization. Peckham GB, et al. **Brit Heart J** 26:460-8, Jul 64  
 The clinical diagnosis and surgical management of ruptured mitral chordae tendineae. Menges H Jr, et al. **Circulation** 30:8-16, Jul 64

Congenital isolated mitral insufficiency. Report of two cases. Antlitz AM, et al. **Dis Chest** 46:229-34, Aug 64  
 The evolution of a mitral-valve prosthesis. Melrose DG, et al. **Lancet** 2:623-4, 19 Sep 64  
 Diagnostic cineangiography. Rowe GG, et al.  
**Vasc Dis** 1:45-53, Jan 64

## MITRAL STENOSIS

Surgical aspects of heart disease in infants under the age of two years. Gerbode F, et al.  
**Amer J Surg** 108:224-32, Aug 64  
 Mitral stenosis and mitral commissurotomy. Pre- and postoperative observations. Paloheimo J, et al.  
**Ann Chir Gynaec Fenn** 53:289-304, 1964  
 Two unusual cases of giant cell myocarditis associated with mitral stenosis and with Wegener's syndrome. Mocrea PC, et al. **Brit Heart J** 26:490-8, Jul 64  
 Combined percutaneous retrograde aortic and transeptal left heart catheterization. Peckham GB, et al. **Brit Heart J** 26:460-8, Jul 64  
 Systemic embolism in mitral stenosis: relation to the size of the left atrial appendix. Somerville W, et al.  
**Brit Med J** 5418:1167-9, 7 Nov 64  
 Mitral stenosis and systemic emboli. Lillicrap D, et al.  
**Brit Med J** 5418:1169-71, 7 Nov 64  
 Embolism in mitral valve disease.  
**Brit Med J** 5418:1149-50, 7 Nov 64  
 Instrumental transatrial mitral valvotomy. Edwards FR. **Dis Chest** 46:223-5, Aug 64  
 Diagnostic cineangiography. Rowe GG, et al.  
**Vasc Dis** 1:45-53, Jan 64

## MITRAL VALVE

Fast-conducting fibres in the mitral valve. Williams TH.  
**Brit Heart J** 26:554-7, Jul 64  
 Mitral ball-valve prosthesis. Dynamic and clinical evaluation. Kezdi P, et al. **Circulation** 30:55-66, Jul 64  
 The evolution of a mitral-valve prosthesis. Melrose DG, et al. **Lancet** 2:623-4, 19 Sep 64  
 Isolated annulus: a method for the evaluation of intracardiac prosthetic thrombosis. Tarnay TJ, et al.  
**Surg Forum** 15:268-9, 1964

## MIXED SALIVARY GLAND TUMOR

Malignant salivary gland tumours of the nasal sinuses and exophthalmos. Mortada A.  
**Brit J Ophthalmol** 47:279-84, May 63  
 Adenoma in an eyelid. Evans PA.  
**Brit J Ophthalmol** 48:234-5, Apr 64  
 Unilateral proptosis of unexplained origin. II. Mortada A. **Brit J Ophthalmol** 47:445-8, Jul 63

## MIYAGAWANELLA

Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. Piraino F, et al.  
**J Bact** 87:1503-11, Jun 64  
 Pneumonitis with alveolar-capillary block in a cattle rancher exposed to epizootic bovine abortion. Barnes MG, et al. **New Eng J Med** 271:981-5, 5 Nov 64

## MOLLUSCACIDES

Toxicity of copper compounds to the snail vector hosts of the agent of *Schistosoma dermatitis*, in waters of differing hardness. Howard TE, et al.  
**Amer J Hyg** 80:33-44, Jul 64

## MONGOLISM

Mongolism (Down's syndrome) and keratoconus. Cullen JF, et al. **Brit J Ophthalmol** 47:321-30, Jun 63  
 Blindness in mongolism (Down's syndrome). Cullen JF. **Brit J Ophthalmol** 47:331-3, Jun 63  
 Transient congenital leukemia in 7 infants with mongolism. Engel RR, et al. **J Pediat** 65:303-5, Aug 64  
 The excretion of oxalic acid following deoxyypyridoxine and tryptophan administration in mongoloid and nonmongoloid subjects. McCoy EE, et al.  
**J Pediat** 65:208-14, Aug 64  
 Mongolism (Down's syndrome) with atypical clinical and cytogenetic features. Sergovich FR, et al.  
**J Pediat** 65:197-207, Aug 64  
 Maternal transmission of a new group-C(6/9) chromosomal syndrome. Rohde RA, et al.  
**Lancet** 2:838-40, 17 Oct 64  
 Some aspects of chromosome mosaicism in clinical medicine. Blank CE. **Lancet** 2:903-6, 24 Oct 64  
 The patient with Down's syndrome in the community. Kirman BH. **Lancet** 2:705-9, 3 Oct 64  
 Leucocyte enzymes in Down's syndrome. Mellman WJ, et al. **Lancet** 2:674-5, 20 Sep 64  
 The lateral lumbar spine in Down's syndrome: a new roentgen feature. Rabinowitz JG, et al.  
**Radiology** 83:74-9, Jul 64

## MONILIALES

The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. Dzawachiszwilli N, et al. **J Invest Derm** 43:103-9, Aug 64



## MONILIASIS

- Mycotic corneal ulcers. Agarwal LP, et al. *Brit J Ophthalmol* 47:109-15, Feb 63  
 Monillial oesophagitis. Grieve NW. *Brit J Radiol* 37:551-4, Jul 64  
 Experimental candidiasis in cortisone-treated mice. Cantrell HF, et al. *J Bact* 87:1532, Jun 64

## MONKEYS

- A note on the cutaneous arterial vessels of some primates. Baccaredda-Boy A. *Angiologica (Basel)* 1:209-12, 1964  
 Light-dark periodicity and the Rhesus-monkey menstrual cycle. Erikson LE. *Fertil Steril* 15:352-66, Jul-Aug 64  
 Effect of adrenaline on aortic structure and serum cholesterol in *Macaca radiata*. Jagannathan SN, et al. *J Atheroscler Res* 4:335-45, Jul-Aug 64  
 The clinical implication of cerebral angiography in the monkey. White RJ, et al. *Vasc Dis* 1:29-33, Jan 64

## MONOAMINE OXIDASE

- Cholinesterases, monoamine oxidases, and phosphorylase in the iris muscles. Niemi M, et al. *Arch Ophthalmol (Chicago)* 72:548-53, Oct 64

## MONOAMINE OXIDASE INHIBITORS

- Observations on adrenaline-induced fibrinolysis in man. Tanser AR, et al. *Clin Sci* 26:375-80, Jun 64  
 Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. *J Path Bact* 88:159-66, Jul 64  
 Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI. *JAMA* 190:456-62, 2 Nov 64  
 Therapeutic efficacy of antidepressant drugs. A review. Cole JO. *JAMA* 190:448-55, 2 Nov 64  
 Toxicity of psychotropic drugs. Side-effects and toxic effects of antidepressants. Pare CM. *Proc Roy Soc Med* 57:757-8, Aug 64

## MONOCYTES

- Effect of mononuclear cell depletion by cortisone on hypersensitivity of leukocytes from tuberculous guinea pigs to PPD. Johnson RW, et al. *Amer Rev Resp Dis* 90:231-42, Aug 64

## MONSTERS

- Ocular abnormalities of the foetus with special reference to cyclopla. Sarma V. *Brit J Ophthalmol* 47:193-202, Apr 63

## MORPHINE

- The analgesic efficacy and respiratory effects in man of a benzomorphan "narcotic antagonist". Lasagna L, et al. *J Pharmacol Exp Ther* 144:12-6, Apr 64  
 Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics. Martin WR, et al. *J Pharmacol Exp Ther* 144:8-11, Apr 64  
 The evaluation of sphincter of Oddi function. Sitnick JL, et al. *Surg Forum* 15:373-5, 1964  
 [Preliminary results of the study of the kinetics of the distal portion of the thoracic duct in the living human. Favorable action of morphine] Lachapelle AP, et al. *Presse Med* 72:2133-4, 12 Sep 64 (Fr)

## MORPHINE ADDICTION

- Acute water-intoxication from compulsive water-drinking. Bewley TH. *Brit Med J* 5413:864, 3 Oct 64  
 To-day's drugs. Drugs of addiction. 2. *Brit Med J* 5417:1119-20, 31 Oct 64  
 Excessive consumption of drugs. Segal M. *Brit Med J* 5414:942-3, 10 Oct 64

## MOTION PERCEPTION

- Stereokinoradiography. I. Perception of motion and depth. Potsald MS. *New Eng J Med* 271:1048-57, 12 Nov 64

## MOTION SICKNESS

- The vestibular Coriolis reaction. Fernandez C, et al. *Arch Otolaryng (Chicago)* 80:469-72, Oct 64  
 Vestibular mechanism, motion sickness, and drug therapy. Experimental and clinical evaluations. Rubin W. *Arch Otolaryng (Chicago)* 80:431-9, Oct 64

## MOTOR SKILLS

- [Late prognosis in children with surgically treated meningomyelocele] Lagrange E, et al. *Deutsch Med Wschr* 89:1457-62, 31 Jul 64 (Ger)

## MOUNTAINEERING

- A new stretcher. Munday MC. *Brit Med J* 5413:873, 3 Oct 64  
 Changes of blood elements and the circulatory system in climbing. II. Sumiyoshi K, et al. *Jap Circ J* 28:661-8, Sep 64  
 Changes of blood elements and the circulatory system in climbing. 3. Sumiyoshi K, et al. *Jap Circ J* 28:669-75, Sep 64

## MOUTH

- A newly identified oral mycoplasma (*M. orale*) and its relationship to other human mycoplasmas. Taylor-Robinson D, et al. *Amer J Hyg* 80:135-48, Jul 64

## MOUTH DISEASES

- Virus aetiology of Behçet's syndrome. Mortada A, et al. *Brit J Ophthalmol* 48:250-9, May 64

## MOUTH MICROORGANISMS

- Dependency of *Treponema microdentium* on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. Socransky SS, et al. *J Bact* 88:200-9, Jul 64

## MOUTH NEOPLASMS

- Stromal interference in radioresponse of squamous cell carcinoma of the oral cavity. Krishnamurthi S, et al. *Clin Radiol* 15:246-50, Jul 64

## MOVEMENT

- Electroencephalographic waves with voluntary movement. Study in the rat. Vanderwolf CH, et al. *Arch Neurol (Chicago)* 11:379-84, Oct 64  
 The interplay between cerebral hemispheres and cerebellum in relation to tonus and movements. Schneider RC, et al. *J Neurosurg* 20:188-98, Mar 63  
 Motion factors producing breaks in implanted cardiac pacemaker leads. Furman S, et al. *Surg Forum* 15:248-9, 1964

## MOVEMENT DISORDERS

- Neurological symptoms with phenothiazines. Bockner S. *Brit Med J* 5413:876, 3 Oct 64  
 Cervical myelopathy with fasciculations in the lower extremities. King RB, et al. *J Neurosurg* 20:948-52, Nov 63  
 The relationship of the alpha and gamma motor systems to the efficacy of the surgical therapy of parkinsonism. Stern J, et al. *J Neurosurg* 20:185-7, Mar 63  
 An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. *Proc Roy Soc Med* 57:758-62, Aug 64

## MUCOCELE

- Unilateral proptosis of unexplained origin. II. Mortada A. *Brit J Ophthalmol* 47:445-8, Jul 63

## MUCOPOLYSACCHARIDES

- Congenital muscular hypertrophy. An association with increased urinary mucopolysaccharides. Silver HK, et al. *Amer J Dis Child* 108:406-12, Oct 64  
 Sulfated mucopolysaccharide and basic protein in certain granules of circulating heterophils of rabbits during endotoxin-induced leukocytosis. Horn RG, et al. *Amer J Path* 44:905-19, Jun 64  
 Coats's disease. II. Studies on the identity of the lipids concerned, and the probable role of mucopolysaccharides in its pathogenesis. Duke JR, et al. *Brit J Ophthalmol* 47:413-34, Jul 63  
 In vitro effects of vasopressor agents on the metabolism of the vascular wall. Hollander W, et al. *Circulation* 30:Suppl 2:1-10, Aug 64  
 The influence of age on the uptake of <sup>35</sup>S-sulphate and <sup>3</sup>H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al. *J Path Bact* 88:291-301, Jul 64  
 Effect of parathyroid hormone on mucopolysaccharide synthesis in rachitic rat cartilage in vitro. Guri CD, et al. *Proc Soc Exp Biol Med* 116:702-5, Jul 64  
 Mucopolysaccharide production by fibroblasts derived from human buffy-coat cultures in vitro. Avila L, et al. *Proc Soc Exp Biol Med* 116:641-3, Jul 64

## MUCOPROTEINS

- The value of seromucoid estimation in the management of prostatic disease. Cameron E, et al. *Brit J Urol* 36:257-60, Jun 64  
 Mucoproteins and sputum viscosity. Burgi H. *Lancet* 2:644, 19 Sep 64  
 Mechanism of gastric injury by aspirin. Menguy RB, et al. *Surg Forum* 15:315-7, 1964  
 Effect of transplantable tumors on the seromucoid

- fraction of rats' serum. Macbeth RA, et al. *Surg Forum* 15:362-4, 1964

## MUCOUS MEMBRANE

- Intestinal absorption of bile salts in the rat. Holt PR. *Amer J Physiol* 207:1-7, Jul 64  
 A histochemical analysis of the effect of irradiation on murine duodenal mucosa. Spiro HM, et al. *J Path Bact* 88:55-60, Jul 64

## MULTIPLE MYELOMA

- Cytometric studies of myeloma cells. Planimetry and diameter measurements in 33 cases of myelomatosis with special reference to the correlation between cell size and serum immuno-electrophoretic findings. Drivsholm A. *Acta Med Scand* 176:79-89, Jul 64  
 The use of endoxan in the treatment of cancer. A reply by Noristan Laboratories (PTY.) LTD. and Asta-Werke A.G. S Afr Med J 38:Suppl:1-6, 15 Aug 64

## MULTIPLE SCLEROSIS

- The benign form of multiple sclerosis: results of a long-term study. McAlpine D. *Brit Med J* 5416:1029-32, 24 Oct 64  
 Effect of mononuclear blood cells from multiple sclerosis patients on neuroglia in tissue culture. Berg O, et al. *J Neuropath Exp Neurol* 23:550-9, Jul 64  
 Behaviour of blood-platelets in multiple sclerosis. Some observations with a possible bearing on pathogenesis. Field EJ, et al. *Lancet* 2:876-9, 24 Oct 64  
 The medical treatment of spasticity. Maher RM. *Proc Roy Soc Med* 57:720-3, Aug 64

## MURAMIDASE

- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Flitz-James P. *J Bact* 87:1483-91, Jun 64  
 Interaction of phosphorothioate with the disulfide bonds of ribonuclease and lysozyme. Neumann H, et al. *J Biol Chem* 239:1536-40, May 64  
 Purification and properties of a microsomal enzyme system catalyzing the reactivation of reduced ribonuclease and lysozyme. Goldberger RF, et al. *J Biol Chem* 239:1406-10, May 64  
 Correlation between kidney muramidase activity and plasma iron removal in rats with Walker-256 carcinosarcoma. Kretschmar AL, et al. *Proc Soc Exp Biol Med* 116:275-7, Jun 64  
 Production of a polysaccharide by *Staphylococcus aureus*. 3. Action of penicillins and polysaccharides on enzymic lysis. Warren GH, et al. *Proc Soc Exp Biol Med* 116:317-23, Jun 64

## MUSCLE CONTRACTION

- Effects of left stellate ganglion stimulation on left ventricular synchrony in dogs. Osadjan CE, et al. *Amer J Physiol* 207:181-6, Jul 64  
 The obstetrican bids, and the uterus contracts. Moir JC. *Brit Med J* 5416:1025-9, 24 Oct 64  
 Force-velocity relations in the intact dog heart. Levine HJ, et al. *J Clin Invest* 43:1383-96, Jul 64  
 Contractile element work: a major determinant of myocardial oxygen consumption. Britman NA, et al. *J Clin Invest* 43:1397-408, Jul 64  
 The expansible behaviour of the human uterus. Wood C. *J Obstet Gynaec Brit Comm* 71:615-20, Aug 64  
 The positive inotropic activity of tetraethylammonium ions and their effect on radiocalcium movement. Nayler WG, et al. *J Pharmacol Exp Ther* 144:116-23, Apr 64  
 The nature and management of spasticity. The pathophysiology of spasticity. Rushworth G. *Proc Roy Soc Med* 57:715-20, Aug 64  
 Willis's place in the history of muscle physiology. (Willis T), et al. *Proc Roy Soc Med* 57:687-92, Aug 64

## MUSCLE DENERVATION

- Denervation of muscle in myasthenia gravis. Report of a patient with myasthenia gravis for 47 years and histochemical signs of denervation. Brody IA, et al. *Arch Neurol (Chicago)* 11:350-4, Oct 64

## MUSCLE PROTEINS

- Characterization of cardiac myosin from the dog. Mueller H, et al. *J Biol Chem* 239:1447-56, May 64

## MUSCLE RELAXANTS

- Some cardiovascular actions of benzquinamide. Scriabine A, et al. *J Pharmacol Exp Ther* 144:131-7, Apr 64  
 [On the therapy of tetanus] Izar G. *Minerva Med* 55:2409-12, 18 Aug 64 (It)

## MUSCLE, SMOOTH

- Vasomotor function of smooth muscle in the main



- pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64
- Effect of hydrogen ion changes on vascular resistance in isolated artery segments. Carrier O Jr, et al. *Amer J Physiol* 207:168-72, Jul 64
- Action of suxamethonium on ptosis due to third-nerve palsy. Marshall M. *Brit Med J* 5417:1116-7, 31 Oct 64
- Electrical quiescence of pulmonary artery smooth muscle during sympathomimetic stimulation. Su C, et al. *Circ Res* 15:26-7, Jul 64
- Separation of the effects of growth hormone on muscle amino acid transport and protein synthesis. Kostyo JL. *Endocrinology* 75:113-9, Jul 64
- Effect of the insulin-inhibitory albumin fraction from normal and diabetic subjects on adipose tissue. Alp H, et al. *Metabolism* 13:609-19, Jul 64
- Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64

## MUSCLE TRANSPLANTATION

- Retinitis pigmentosa. A new therapeutic approach. Agarwal LP, et al. *Brit J Ophthalmol* 47:144-8, Mar 63
- [Muscle-tendon transplantations for paralysis of the upper extremity] Iselin F. *Presse Med* 72:2339-42, 26 Sep 64 (Fr)

## MUSCLES

- Sampling of muscle at autopsy in cases of lower motor neuron disease. Beckwith JB. *Amer J Clin Path* 42:92-3, Jul 64
- Histologic alterations in preclinical mouse muscular dystrophy. Platzer AC, et al. *Amer J Path* 44:931-46, Jun 64
- Electromyographic study of aging in skeletal muscle. Carlson KE, et al. *Amer J Phys Med* 43:141-5, Aug 64
- Muscle excitability in experimental crossed nerve anastomosis in the rat. Koczocik-Przedpelska J. *Amer J Phys Med* 43:146-56, Aug 64
- Electrolyte and nitrogen changes in skeletal muscle of developing rats. Vernadakis A, et al. *Amer J Physiol* 206:1365-8, Jun 64
- Tissue glycogen fractions of the hypothermic rat, hamster, and turtle. Platner WS, et al. *Amer J Physiol* 207:42-6, Jul 64
- Potassium exchange in frog sartorius muscle. Gourley DR. *Amer J Physiol* 206:1340-6, Jun 64
- A proposed differentiated neuro-effector organization in muscle resistance vessels. Folkow B, et al. *Angiologica (Basel)* 1:197-208, 1964
- Enzymes in muscle. I. Histochemical studies of enzymes in individual muscle fibers. Romanul FC. *Arch Neurol (Chicago)* 11:355-8, Oct 64
- Enzymes in muscles. II. Histochemical and quantitative studies. Dawson DM, et al. *Arch Neurol (Chicago)* 11:369-78, Oct 64
- Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64
- Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64
- Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. *Cancer Res* 24:614-8, May 64
- Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. Holzman GB, et al. *Circulation* 30:27-34, Jul 64
- Integrated muscle chamber-transducer system. Katzung B. *J Appl Physiol* 19:800-2, Jul 64
- Effect of exercise on free fatty acid levels in the pigeon. George JC, et al. *J Appl Physiol* 19:619-22, Jul 64
- Balance and kinetics of anaerobic energy release during strenuous exercise in man. Margaria R, et al. *J Appl Physiol* 19:623-8, Jul 64
- Isolation of crystalline phosphoglucose isomerase from rabbit muscle. Noltmann EA. *J Biol Chem* 239:1545-50, May 64
- Some thoughts on pain localization. Klingon GH. *J Int Coll Surg* 42:396-403, Oct 64
- The interplay between cerebral hemispheres and cerebellum in relation to tonus and movements. Schneider RC, et al. *J Neurosurg* 20:188-98, Mar 63
- Packing with muscle of internal carotid artery for aneurysm with immediate occlusion and subsequent establishment of flow. Simmons DR, et al. *J Neurosurg* 20:1000-4, Nov 63
- Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64
- Staining of sensory and motor nerves in muscles with sudan black B. Cavanagh JB, et al. *J Path Bact* 88:89-92, Jul 64
- Alterations in muscle and liver glycogen secondary to fracture. Wray JB. *Metabolism* 13:551-6, Jun 64
- Are thyroid hormones diabetogenic? A study of peripheral glucose metabolism during glucose infusions in normal subjects and hyperthyroid patients before and after treatment. Butterfield WJ, et al. *Metabolism* 13:620-8, Jul 64

- Willis's place in the history of muscle physiology. (Willis T), et al. *Proc Roy Soc Med* 57:687-92, Aug 64
- Distribution of cesium-137 after chronic exposure in dogs and mice. Furchner JE, et al. *Proc Soc Exp Biol Med* 116:375-8, Jun 64
- The physiology of the extension of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:909-18, Aug 64
- The anatomy of the extensor apparatus of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:897-906, Aug 64
- Measurement of intracellular hydrogen ion concentration in patients. Grantham JJ, et al. *Surg Forum* 15:81-2, 1964
- [Muscle tonus. Physiological and physiopathological aspects. I. The physiologist in relation to muscle tonus] Mamo H, et al. *Presse Med* 72:2145-50 contd, 12 Sep 64 (Fr)
- [Muscle tonus. Physiological and physiopathological aspects. I. The physiologist in relation to muscle tonus] Mamo H, et al. *Presse Med* 72:2107-12 contd, 29 Aug 64 (Fr)
- [Muscle tonus. Physiological and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al. *Presse Med* 72:2213-8 concl, 19 Sep 64 (Fr)

## MUSCULAR ATROPHY

- Weakness, atonia and wasting of the muscles in the aged: diagnostic methods. Newman MK. *J Amer Geriatr Soc* 12:665-76, Jul 64
- [Charcot-Marie amyotrophy associated with a bilateral optic atrophy] Serratrice G, et al. *Presse Med* 72:2535-6, 17 Oct 64 (Fr)

## MUSCULAR DISEASES

- Congenital muscular hypertrophy. An association with increased urinary mucopolysaccharides. Silver HK, et al. *Amer J Dis Child* 108:406-12, Oct 64
- Neuromyopathy associated with a malignant carcinoid tumor. A case report. Green D, et al. *Arch Intern Med (Chicago)* 114:494-6, Oct 64
- Myopathic syndrome in muscular sarcoidosis. Hinterbuchner CN, et al. *Brain* 87:355-66, Jun 64
- The periodic paralyses: differential features and pathological observations in permanent myopathic weakness. Pearson CM. *Brain* 87:341-54, Jun 64
- Pain following E.C.T. modified by muscle relaxants. Devine R, et al. *Brit Med J* 5416:1046-8, 24 Oct 64
- Post-partum eclampsia complicated by the anterior tibial syndrome. Manson IW. *Brit Med J* 5417:1117-8, 31 Oct 64
- Tuberculosis of muscle. Katz R, et al. *JAMA* 190:472-3, 2 Nov 64
- Hypokalemic paralysis induced by amphotericin B. McChesney JA, et al. *JAMA* 189:1029-31, 28 Sep 64
- Isolated analosteronism. I. Clinical entity, with manifestations of persistent hyperkalemia, periodic paralysis, salt-losing tendency, and acidosis. Posner JB, et al. *Metabolism* 13:513-21, Jun 64
- Taurine excretion following drug-induced muscle necrosis and x-irradiation. Goyer RA, et al. *Proc Soc Exp Biol Med* 116:534-6, Jun 64
- [Muscle tonus. Physiological and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al. *Presse Med* 72:2213-8 concl, 19 Sep 64 (Fr)

## MUSCULAR DYSTROPHY

- Histologic alterations in preclinical mouse muscular dystrophy. Platzer AC, et al. *Amer J Path* 44:931-46, Jun 64
- Treatment of muscular dystrophy with a nucleotides-nucleosides combination. Guest KE, et al. *Brit J Clin Pract* 18:395-400, Jul 64
- Progressive muscular dystrophy of the extra-ocular muscles in a Negro. Sevel D. *Brit J Ophthalmol* 48:39-41, Jan 64
- Laevadosin in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. Pearce JM, et al. *Brit Med J* 5414:915-7, 10 Oct 64
- Laevadosin for muscular dystrophy. Thomson WH. *Brit Med J* 5417:1135-6, 31 Oct 64
- Effect of linoleic acid on nutritional muscular dystrophy in the chick. Calvert CC, et al. *J Nutr* 83:307-13, Aug 64
- Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64
- Biopotency of  $\alpha$ -lipoic-acetate for the rat. Witting LA, et al. *Proc Soc Exp Biol Med* 116:655-8, Jul 64
- Glutamic oxalacetic transaminase isoenzymes in human myopathies. Kar NC, et al. *Proc Soc Exp Biol Med* 116:733-5, Jul 64

## MUSCULOSKELETAL SYSTEM

- Musculo-skeletal functions in the amputated perfused human being limb. DeLorme TL, et al. *Surg Forum* 15:450-2, 1964

## MUSIC

- Musical experience as interpersonal process; a contribution to the semantics of music. Knobloch F, et al. *Psychiatry* 27:259-65, Aug 64

## MUTATION

- Transformation to prototrophy and polyglutamic acid synthesis in *Bacillus licheniformis*. Leonard CG, et al. *J Bact* 88:220-5, Jul 64
- Nutritional mutations and transduction by ultraviolet-inactivated phage in *Staphylococcus aureus*. Carere A, et al. *J Bact* 88:226-32, Jul 64
- Cystine-independent thermoresistant mutants of poliovirus. Youngner JS, et al. *J Bact* 88:265-6, Jul 64
- Transformation to prototrophy and polyglutamic acid synthesis in *Bacillus licheniformis*. Leonard CG, et al. *J Bact* 88:220-5, Jul 64
- Nutritional mutations and transduction by ultraviolet-inactivated phage in *Staphylococcus aureus*. Carere A, et al. *J Bact* 88:226-32, Jul 64
- Cystine-independent thermoresistant mutants of poliovirus. Youngner JS, et al. *J Bact* 88:265-6, Jul 64

## MYASTHENIA GRAVIS

- Denervation of muscle in myasthenia gravis. Report of a patient with myasthenia gravis for 47 years and histochemical signs of denervation. Brody IA, et al. *Arch Neurol (Chicago)* 11:350-4, Oct 64
- Serum proteins in myasthenia gravis. Kornfeld P. *JAMA* 190:463, 2 Nov 64

## MYCOBACTERIUM

- The urease activity of mycobacteria. Urabe K, et al. *Amer Rev Resp Dis* 90:266-7, Aug 64
- The mycobacterial mystique: deterrent to taxonomy. Wayne LG. *Amer Rev Resp Dis* 90:255-7, Aug 64
- The significance of mycobacteria other than tubercle bacilli in the urine: a report of forty-two cases. Pellman CM, et al. *Amer Rev Resp Dis* 90:243-7, Aug 64
- Relationship of mycoside content and colony morphology for group 2 and group 3 unclassified mycobacteria. Navalkar RG, et al. *J Bact* 88:255-9, Jul 64
- Bound intracellular glycolic and D-lactic acids in *Mycobacterium ranae*. Fowler AV, et al. *J Bact* 87:1528-9, Jun 64
- Use of *Arthrobacter terregens* for bioassay of mycobactin. Reich CV, et al. *J Bact* 87:1317-20, Jun 64
- Comparison of cytochromes in mycobacteria grown in vitro and in vivo. Kusaka T, et al. *J Bact* 87:1383-8, Jun 64
- Relationship of mycoside content and colony morphology for group 2 and group 3 unclassified mycobacteria. Navalkar RG, et al. *J Bact* 88:255-9, Jul 64
- Comparison of cytochromes in mycobacteria grown in vitro and in vivo. Kusaka T, et al. *J Bact* 87:1383-8, Jun 64
- Bound intracellular glycolic and D-lactic acids in *Mycobacterium ranae*. Fowler AV, et al. *J Bact* 87:1528-9, Jun 64
- Use of *Arthrobacter terregens* for bioassay of mycobactin. Reich CV, et al. *J Bact* 87:1317-20, Jun 64
- Structural studies on the myo-inositol mannoides from the glycolipids of *Mycobacterium tuberculosis* and *Mycobacterium phlei*. Lee YC, et al. *J Biol Chem* 239:1316-27, May 64

## MYCOBACTERIUM BOVIS

- The urease activity of mycobacteria. Urabe K, et al. *Amer Rev Resp Dis* 90:266-7, Aug 64
- Generalized BCG infection. Blattner RJ. *J Pediatr* 65:311-4, Aug 64

## MYCOBACTERIUM INFECTIONS

- Mycobacterial skin ulcers in Uganda: histopathological and experimental aspects. Dodge OG. *J Path Bact* 88:169-74, Jul 64
- Mycobacterial skin ulcers in Uganda: description of a new *Mycobacterium* (*Mycobacterium buruli*). Clancy JK. *J Path Bact* 88:175-87, Jul 64
- Generalized BCG infection. Blattner RJ. *J Pediatr* 65:311-4, Aug 64
- Mycobacterial disease in man and animals. Aspects of the epidemiology of infection by 'anonymous' mycobacteria. Marks J. *Proc Roy Soc Med* 57:479-80, Jun 64
- Granuloma of the skin due to *Mycobacterium fortuitum*. Shocket E, et al. *Southern Med J* 57:1352-6, Nov 64

## MYCOBACTERIUM LEPRAE

- Field method for concentrating *Mycobacterium leprae* in skin biopsy specimens. Kar S, et al. *Int J Leprosy* 32:18-23, Jan-Mar 64
- Attempts at growth of *Mycobacterium leprae* in



- footpads of mice and guinea-pigs. Kirchheimer WF. *Int J Leprosy* 32:9-17, Jan-Mar 64
- Sulphone resistance in leprosy. Corcos MG. *Lancet* 2:864-5, 17 Oct 64
- Sulphone resistance in leprosy. An experimental and clinical study. Pettit JH, et al. *Lancet* 2:673-4, 20 Sep 64
- Mycobacterial disease in man and animals. Studies on leprosy bacilli in man and animals. Rees RJ. *Proc Roy Soc Med* 57:482-3, Jun 64

## MYCOBACTERIUM TUBERCULOSIS

- The urease activity of mycobacteria. Urabe K, et al. *Amer Rev Resp Dis* 90:266-7, Aug 64
- In vitro tests with 4,4'-diisoamylxythiocarbanilide. Eidus L, et al. *Amer Rev Resp Dis* 90:258-60, Aug 64
- Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from Mycobacterium tuberculosis. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64
- Structural studies on the myo-inositol mannoides from the glycolipids of Mycobacterium tuberculosis and Mycobacterium phlei. Lee YC, et al. *J Biol Chem* 239:1316-27, May 64

## MYCOPLASMA

- A newly identified oral mycoplasma (M. orale) and its relationship to other human mycoplasmas. Taylor-Robinson D, et al. *Amer J Hyg* 80:135-48, Jul 64
- Viral and mycoplasmal pneumonias. Prevention and treatment. Reimann HA. *Dis Chest* 46:158-64, Aug 64
- Defined medium for Mycoplasma laidlawii. Tourtellotte ME, et al. *J Bact* 88:11-5, Jul 64
- Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64
- Defined medium for Mycoplasma laidlawii. Tourtellotte ME, et al. *J Bact* 88:11-5, Jul 64
- Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64
- Enhancement of Mycoplasma agglutination titers by use of anti-globulin. Adler HE, et al. *Proc Soc Exp Biol Med* 118:608-10, Jul 64

## MYCOSES

- Corneal lesions produced in rabbits by an extract of Fusarium moniliforme. Dudley MA, et al. *Arch Ophthal (Chicago)* 72:346-50, Sep 64

## MYCOSIS FUNGOIDES

- In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. Hirschhorn K, et al. *Lancet* 2:842-3, 17 Oct 64

## MYDRIATICS

- Mydriasis and cycloplegia. Foggitt KD. *Brit J Ophthal* 47:253, Apr 63

## MYELIN SHEATH

- Myelinic figures in lepra cells examined by phase-contrast and electron microscopy. Nishiura M, et al. *Int J Leprosy* 32:45-52, Jan-Mar 64
- Staining of sensory and motor nerves in muscles with sudan black B. Cavanagh JB, et al. *J Path Bact* 88:89-92, Jul 64

## MYOCARDIAL INFARCT

- The electrocardiogram in patients with previous myocardial infarction. Anderssen N, et al. *Acta Med Scand* 176:123-6, Jul 64
- On sudden death. Pruitt RD. *Amer Heart J* 68:111-8, Jul 64
- Aminopeptidase activity in myocardial infarction of man. A histochemical study. Monis B, et al. *Amer J Path* 44:867-76, Jun 64
- Low incidence of coronary thrombosis in myocardial infarction. A restudy by serial block technique. Ehrlich JC, et al. *Arch Path (Chicago)* 78:432-45, Oct 64
- Anticoagulants after myocardial infarction. *Brit Med J* 5413:831-2, 3 Oct 64
- An assessment of long-term anticoagulant administration after cardiac infarction. Second report of the Working Party on Anticoagulant Therapy in Coronary Thrombosis to the Medical Research Council. *Brit Med J* 5413:837-43, 3 Oct 64
- Anticoagulants: another view. McMichael J. *Brit Med J* 5415:1007, 17 Oct 64
- Hemodynamics of the Master two-step test in hypertension and healed myocardial infarction. Makous N, et al. *Circulation* 30:77-85, Jul 64
- A clinical study of ethchlorvynol in cardiac patients. Blinder S. *Curr Ther Res* 6:373-6, May 64

- Rupture of the heart following myocardial infarction. Fagin ID. *J Amer Geriatr Soc* 12:701-6, Jul 64
- Myocardial infarction in pregnancy. Case report. Bedford JR. *J Obstet Gynaec Brit Comm* 71:459-60, Jun 64
- Hemodynamic effects of pressor agents in septic and myocardial infarction shock. Smulyan H, et al. *JAMA* 190:188-94, 19 Sep 64
- Coronary thrombosis in myocardial infarction. *JAMA* 190:237, 19 Sep 64
- Mortality and morbidity in surgical patients with coronary artery disease. Arkins R, et al. *JAMA* 190:485-8, 9 Nov 64
- Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. MacKenzie GJ, et al. *Lancet* 2:825-32, 17 Oct 64
- Hydrocortisone in severe myocardial infarction. Trial conducted by the Scientific Subcommittee of the Scottish Society of Physicians. *Lancet* 2:785-6, 10 Oct 64
- Anti-heart antibodies in the postpericardiotomy and the postmyocardial-infarction syndromes. Geld H van der. *Lancet* 2:617-21, 19 Sep 64
- Myocardial infarction treated with low-molecular-weight dextran. Linden L. *Lancet* 2:759, 3 Oct 64
- Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. Taylor RR, et al. *New Eng J Med* 271:877-82, 22 Oct 64
- Case records of the Massachusetts General Hospital. Case 55-1964. *New Eng J Med* 271:1061-6, 12 Nov 64
- Myocardial necroses produced in domesticated rats and in wild rats by sensory and emotional stresses. Raab W, et al. *Proc Soc Exp Biol Med* 116:665-9, Jul 64
- Serum manganese in myocardial infarction. Sparkman TC, et al. *Proc Soc Exp Biol Med* 116:778-81, Jul 64
- Effects of hyperbaric oxygenation on left circumflex coronary artery occlusion in dogs. Roshe J, et al. *Surg Forum* 15:208-9, 1964
- [Acute heart infarct and pulmonary stasis. A clinical-roentgenological study] Aschenbrenner R, et al. *Deutsch Med Wschr* 89:1777-81, 18 Sep 64 (Ger)

## MYOCARDITIS

- The cardiovascular manifestations of systemic lupus erythematosus. Hejtmancik MR, et al. *Amer Heart J* 68:119-30, Jul 64
- Two unusual cases of giant cell myocarditis associated with mitral stenosis and with Wegener's syndrome. McCrear PC, et al. *Brit Heart J* 26:490-8, Jul 64
- Fatal Weil's disease with myocarditis in South Africa. Thomson JG. *S Afr Med J* 38:696-700, 29 Aug 64

## MYOCARDIUM

- The relative amounts of DNA and concentrations of RNA in heart muscle of normal and hypertrophied hearts. Capers TH. *Amer Heart J* 68:102-6, Jul 64
- Aminopeptidase activity in myocardial infarction of man. A histochemical study. Monis B, et al. *Amer J Path* 44:867-76, Jun 64
- Effects of ouabain on tissue calcium and calcium exchange in pacemaker of turtle heart. Govier WC, et al. *Amer J Physiol* 207:195-8, Jul 64
- Tissue glycogen fractions of the hypothermic rat, hamster, and turtle. Platner WS, et al. *Amer J Physiol* 207:42-6, Jul 64
- Characteristic force-velocity equation of rat heart muscle. Ullrich WC. *Amer J Physiol* 206:1285-98, Jun 64
- Hemodynamic responses to induced tachycardia in methylene blue-treated dogs. Afonso S, et al. *Amer J Physiol* 206:1279-80, Jun 64
- Carnitine effects on palmitate-I-C-14 conversion to CO<sub>2</sub> and glycerides by various tissues. Fritz IB. *Amer J Physiol* 206:1217-22, Jun 64
- Preservation of volatile anesthetics in blood and tissue. Lowe HJ. *Anesthesiology* 25:568-8, Jul-Aug 64
- Enzymes in muscles. II. Histochemical and quantitative studies. Dawson DM, et al. *Arch Neurol (Chicago)* 11:369-78, Oct 64
- Enzymes in muscle. I. Histochemical studies of enzymes in individual muscle fibers. Romanul FC. *Arch Neurol (Chicago)* 11:355-8, Oct 64
- Organ specificity of the heart. 3. Circulating antibodies and immunopathological lesions in experimental animals. Davies AM, et al. *Arch Path (Chicago)* 78:369-76, Oct 64
- Cardiac hydatid disease including a report on the successful removal of a complicated hydatid cyst, occupying the full thickness of the left ventricular myocardium, utilizing cardio-pulmonary by-pass. McConchie I. *Aust New Zeal J Surg* 34:18-23, Aug 64
- Action of noradrenaline. Koch-Weser J. *Brit Med J* 5416:1072-3, 24 Oct 64
- Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64
- Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64
- Measurement of myocardial blood flow in animals and man by selective injection of radioactive inert gas

- into the coronary arteries. Ross RS, et al. *Circ Res* 15:28-41, Jul 64
- Transmyocardial temperature gradient in dog and man: relation to the polarity of the T wave of the electrocardiogram. Reynolds EW Jr, et al. *Circ Res* 15:11-9, Jul 64
- The neurogenic metabolic factor in ischemic heart disease. Raab W. *Dis Chest* 46:150-7, Aug 64
- Water and electrolyte structural studies on homotransplanted hearts. Rams JJ, et al. *Dis Chest* 46:165-73, Aug 64
- Oxydative phosphorylation in aortic homogenates. Wollemann M, et al. *J Atheroscler Res* 4:367-9, Jul-Aug 64
- Characterization of cardiac myosin from the dog. Mueller H, et al. *J Biol Chem* 239:1447-56, May 64
- The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. Bressler R, et al. *J Biol Chem* 239:1364-8, May 64
- A further purification of cytochrome oxidase. Wainio WW. *J Biol Chem* 239:1402-5, May 64
- Contractile element work: a major determinant of myocardial oxygen consumption. Brittan NA, et al. *J Clin Invest* 43:1397-408, Jul 64
- The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. Burack WR, et al. *J Pharmacol Exp Ther* 144:66-75, Apr 64
- The positive inotropic activity of tetraethylammonium ions and their effect on radiocalcium movement. Nayler WG, et al. *J Pharmacol Exp Ther* 144:116-23, Apr 64
- Effects of aldosterone, ouabain and deoxycorticosterone on oxygen uptake of isolated cardiac muscle. Levy JV, et al. *J Pharmacol Exp Ther* 144:104-9, Apr 64
- Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64
- Anti-heart antibodies in the postpericardiotomy and the postmyocardial-infarction syndromes. Geld H van der. *Lancet* 2:617-21, 19 Sep 64
- The effects of metopirone on glucose metabolism. Liguori G, et al. *Metabolism* 13:499-506, Jun 64
- Carbon dioxide effects on myocardial contractility. Lentini EA, et al. *Proc Soc Exp Biol Med* 116:484-5, Jun 64
- Effects of growth hormone on glucose-U-C14 metabolism in dog. Wagle SR, et al. *Proc Soc Exp Biol Med* 116:793-4, Jul 64
- Effect of catecholamine depletion on an index of myocardial contractility in isolated rabbit hearts. Maxwell RA, et al. *Proc Soc Exp Biol Med* 116:672-4, Jul 64
- Influence of hypothermia and anoxia upon the biochemistry of heart muscle. Passanti GT, et al. *Surg Forum* 15:210-2, 1964

## MYOCLONUS

- Campotomy in various extrapyramidal disorders. Spiegel EA, et al. *J Neurosurg* 20:871-84, Oct 63

## MYONEURAL JUNCTION

- Staining of sensory and motor nerves in muscles with sudan black B. Cavanagh JB, et al. *J Path Bact* 88:89-92, Jul 64
- Motor-nerve function and duration of diabetes. Gregersen G. *Lancet* 2:733, 3 Oct 64
- The nature and management of spasticity. The pathophysiology of spasticity. Rushworth G. *Proc Roy Soc Med* 57:715-20, Aug 64

## MYOPIA

- Marchesani's syndrome. Rahman M, et al. *Brit J Ophthal* 47:182-3, Mar 63
- Refraction anomalies in Tanganyikan children. Johnstone WW, et al. *Brit J Ophthal* 47:95-108, Feb 63
- Bitemporal of the visual fields due to an ocular cause. Berry H. *Brit J Ophthal* 47:441-4, Jul 63

## MYOSITIS

- [The synovial raisin cell. Its value in the diagnosis of rheumatic diseases] Delbarre F, et al. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)

## MYOSITIS OSSIFICANS

- Bone formation in abdominal scars after xiphoidectomy. Watkins GL. *Arch Surg (Chicago)* 89:731-4, Oct 64

## MYOTONIA ATROPHICA

- [Muscle tonus. Physiological and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al. *Presse Med* 72:2213-8 concl, 19 Sep 64 (Fr)



## MYXEDEMA

The blood pressure in myxoedema coma. Bellau AR. *Brit J Clin Pract* 18:387-93, Jul 64  
 Carcinoma of the thyroid in myxoedema. Sclaire G, et al. *J Clin Path* 17:438-43, Jul 64

## MYXOMA

Unilateral proptosis of unexplained origin. II. Mortada A. *Brit J Ophthalmol* 47:445-8, Jul 63  
 Case records of the Massachusetts General Hospital. Case 50-1964. *New Eng J Med* 271:787-94, 8 Oct 64

## MYXOVIRUS

Viruses and cancer in animals and man. Dmochowski L. *Southern Med J* 57:1267-72, Nov 64

## MYXOVIRUS INFECTIONS

Isolation of bovine parainfluenza-3 virus in chick embryos. Marshall RG. *J Bact* 88:267-8, Jul 64

## NAD

The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. Hawtrey AO, et al. *Brit J Cancer* 18:299-308, Jun 64  
 Histochemistry of the retina in the alloxan-diabetic rat. Newell FW, et al. *Brit J Ophthalmol* 47:596-600, Oct 63  
 Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64  
 Nicotinamide adenine dinucleotide-specific isocitric dehydrogenase. A possible regulatory protein. Sanwal BD, et al. *J Biol Chem* 239:1597-603, May 64  
 Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. Dietrich LS, et al. *J Biol Chem* 239:1653-5, May 64

## NADP

The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. Hawtrey AO, et al. *Brit J Cancer* 18:299-308, Jun 64  
 Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64

## NAILS

Leukonychia. Total and partial leukonychia in a single family with a review of the literature. Albright SD 3d, et al. *Arch Derm (Chicago)* 90:392-9, Oct 64

## NANDROLONE

A quantitative expression for nitrogen retention with anabolic steroids. 3. Nortestosterone dipropionate. Metcalf W, et al. *Metabolism* 13:539-46, Jun 64  
 [Action of norandrostenedione phenylpropionate in diabetic retinopathy] Rouher F, et al. *Presse Med* 72:2211-2, 19 Sep 64 (Fr)

## NAPHTHALENES

Efflux of organic acids from rabbit kidney cortex. Despopoulos A, et al. *Amer J Physiol* 207:118-22, Jul 64  
 In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
 Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64  
 Fragmentation of bovine serum albumin by pepsin. I. The origin of the acid expansion of the albumin molecule. Weber G, et al. *J Biol Chem* 239:1415-23, May 64  
 [Acute hemolytic anemia due to naphthalene inhalation in 2 premature infants and 1 full-term infant] Irie U. *Deutsch Med Wschr* 89:1798-800, 18 Sep 64 (Ger)  
 [Life-threatening naphthalene poisoning in an infant due to Vaporin vapors] Hanssler H. *Deutsch Med Wschr* 89:1794-7, 18 Sep 64 (Ger)

## NAPHTHOQUINONES

The phosphorylation reaction that accompanies the nonenzymic oxidation of 2-methyl-1,4-naphthohydroquinone diphosphate. Tomasi GE, et al. *J Biol Chem* 239:1604-13, May 64

## NAPHTHYRIDINES

Phototoxic reaction with nalidixic acid. Zelickson AS. *JAMA* 190:556-7, 9 Nov 64

## NARCOTIC ANTAGONISTS

The analgesic efficacy and respiratory effects in man of a benzomorphan "narcotic antagonist". Lasagna L, et al. *J Pharmacol Exp Ther* 144:12-6, Apr 64

## NASAL MUCOSA

Human ciliated epithelial cells in nasal secretions. Morphologic and histochemical aspects. Bryan WT, et al. *Ann Otol* 73:474-87, Jun 64  
 Hereditary hemorrhagic telangiectasia. Report of a case with severe complication following radical treatment. Crawford HH, et al. *Plast Reconstr Surg* 34:136-41, Aug 64  
 The split-thickness skin graft in the management of hereditary hemorrhagic telangiectasia involving the nasal mucosa. Letterman G, et al. *Plast Reconstr Surg* 34:126-35, Aug 64

## NASAL SEPTUM

Nasal obstruction due to restriction of the bony nasal inlet. Rozner L. *Brit J Plast Surg* 17:287-96, Jul 64  
 Trans-septal extranasal approach to the pituitary. Thomas KE. *Lancet* 2:735, 3 Oct 64

## NASOPHARYNGEAL NEOPLASMS

Results of radiation dosimetry in telecobalt and roentgen therapy. Voutilainen A, et al. *Ann Chir Gynaec Fenn* 53:357-63, 1964  
 Nasopharyngeal carcinoma. Unusual case reports. Jaffee IS. *Arch Otolaryng (Chicago)* 80:450-3, Oct 64  
 Nasal gliomas: a report of five cases with electron microscopy of one. Smith KR Jr, et al. *J Neurosurg* 20:968-82, Nov 63  
 Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. Tindall GT, et al. *J Neurosurg* 20:985-94, Nov 63  
 Cancer of the nasopharynx. Lederman M. *Proc Roy Soc Med* 57:740-2, Aug 64

## NATRIURESIS

Renal response of propylthiouracil-treated rats to injected mineralocorticoids. Taylor RE Jr, et al. *Endocrinology* 75:33-41, Jul 64  
 Effect of thyroxine on intake and loss of sodium by propylthiouracil-treated rats. Fregly MJ, et al. *Endocrinology* 75:27-32, Jul 64  
 Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. *J Clin Endocr* 24:517-27, Jun 64  
 Massive diuresis following renal homotransplantation. Magee JH, et al. *Proc Soc Exp Biol Med* 116:480-3, Jun 64  
 Effect of renal arterial infusion of albumin on saline diuresis in the dog. Earley LE. *Proc Soc Exp Biol Med* 116:262-5, Jun 64  
 Diuresis following administration of the antidiuretic hormone. Boba A, et al. *Surg Forum* 15:20-1, 1964  
 Correction of the renal concentrating defect in hemorrhagic shock. Wright HK, et al. *Surg Forum* 15:18-20, 1964  
 Renal hemodynamics: effect of gravity on sodium and water excretion. Stahl WM. *Surg Forum* 15:13-4, 1964

## NAUSEA

Thiethylperazine in the management of postoperative nausea and vomiting. Paddock RB. *J Int Coll Surg* 42:387-95, Oct 64

## NECK

Angiography in head and neck surgery. Conley JJ, et al. *Arch Surg (Chicago)* 89:609-18, Oct 64  
 Clinical observations on respiratory and vasomotor disturbance as related to cervical cordotomies. Belmusto L, et al. *J Neurosurg* 20:225-32, Mar 63

## NECK NEOPLASMS

Angiography in head and neck surgery. Conley JJ, et al. *Arch Surg (Chicago)* 89:609-18, Oct 64  
 Cystic hygroma of the neck. Broomhead IW. *Brit J Plast Surg* 17:225-44, Jul 64  
 Cancer of the head and neck in children. Sutow WW. *JAMA* 190:414-6, 2 Nov 64

## NECROSIS

Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64  
 Mycobacterial skin ulcers in Uganda: histopathological and experimental aspects. Dodge OG. *J Path Bact* 88:169-74, Jul 64  
 Patterns and mechanisms of injury following anoxia of the normothermic and hypothermic dog stomach. Marx FW Jr, et al. *Surg Forum* 15:328-30, 1964  
 Lethal factor in thoracic duct lymph following superior

mesenteric artery ligation. Tice DA, et al. *Surg Forum* 15:86-8, 1964

## NEGROES

Discrimination against Negroes in hospitals. Seham M. *New Eng J Med* 271:940-3, 20 Oct 64  
 A comment on the segregated learning situation as an insulating device for the Negro child. Holland FN. *Psychiatry* 27:301-3, Aug 64  
 [Does hunger during infancy inhibit brain growth and development of intelligence?] Harnack GA von. *Deutsch Med Wschr* 89:1957-8, 9 Oct 64 (Ger)

## NEISSERIA GONORRHOEAE

Thin sections of dividing Neisseria gonorrhoeae. Fitz-James P. *J Bact* 87:1477-82, Jun 64  
 Development of L-type growth in Neisseria gonorrhoeae cultures. Dienes L, et al. *J Bact* 87:1471-6, Jun 64  
 Thin sections of dividing Neisseria gonorrhoeae. Fitz-James P. *J Bact* 87:1477-82, Jun 64  
 Development of L-type growth in Neisseria gonorrhoeae cultures. Dienes L, et al. *J Bact* 87:1471-6, Jun 64

## NEMATODE INFECTIONS

Memorandum on the first report of *Angiostrongylus* in man, by Nomura and Lin, 1945. Beaver PC, et al. *Amer J Trop Med* 13:589-90, Jul 64

## NEOMYCIN

Indwelling catheter and postoperative urinary tract infection. Hildebrandt RJ, et al. *Obstet Gynec* 23:686-8, May 64

## NEOPLASM DIAGNOSIS

Effect of cytologic program on pelvic examinations. Dubin IN, et al. *Arch Environ Health (Chicago)* 9:514-20, Oct 64  
 Melanoma or no. Cogan DG. *Arch Ophthalmol (Chicago)* 72:451-2, Oct 64  
 Lesions mistaken for malignant melanoma of the posterior uvea. A clinicopathologic analysis of 100 cases with ophthalmoscopically visible lesions. Ferry AP. *Arch Ophthalmol (Chicago)* 72:463-9, Oct 64  
 Evaluation of serum trypsin inhibitor activity in the detection of malignant disease. Kemp JH, et al. *Brit J Cancer* 18:390-6, Jun 64  
 Comparison of coincidence counting and focusing collimators with various isotopes in brain tumour detection. Matthews CM. *Brit J Radiol* 37:531-43, Jul 64  
 Impact of malignant diseases on the general practitioner. Gibson R. *Brit Med J* 5415:965-9, 17 Oct 64  
 Management of malignancy. *Brit Med J* 5415:959-60, 17 Oct 64  
 Seroflocculating steroids. XI. Interim summary. Chang FC. *Clin Chem* 10:490-6, Jun 64  
 The diagnosis of choriocarcinoma. Wade-Evans T. *Clin Radiol* 15:256-9, Jul 64  
 Pneumo-mediastinography by the trans-sternal method. Kree L, et al. *Clin Radiol* 15:219-23, Jul 64  
 The metabolism and excretion of Co57 tetraphenylporphinesulfonate in cancer patients. Winkelmann J, et al. *J Nucl Med* 5:462-70, Jun 64  
 Symptomless carcinoma of the cervix. Garrett WJ. *J Obstet Gynaec Brit Comm* 71:517-28, Aug 64  
 The prevention of cervical cancer. Who takes the smears? Wolfendale M, et al. *Lancet* 2:901-2, 24 Oct 64  
 Urinary vanillylpyruvic acid neuroblastoma. Gjessing LR, et al. *Lancet* 2:818, 10 Oct 64  
 Flocculation of unsensitized bentonite particles by cancer serum. Oliver-González J, et al. *Proc Soc Exp Biol Med* 116:409-11, Jun 64  
 Prophylactic lymph node dissection. Thurston OG, et al. *Surg Forum* 15:343-4, 1964  
 Enzymatic detection of the hidden primary neoplasm. Arlen M. *Surg Forum* 15:352-3, 1964  
 [Tumor cells in the blood stream] Schmähl D. *Deutsch Med Wschr* 89:1849-50, 25 Sep 64 (Ger)

## NEOPLASM ETIOLOGY

Chlornaphazln (Erysan) may induce cancer of the urinary bladder. Videbaek A. *Acta Med Scand* 176:45-50, Jul 64  
 Oral contraceptives and breast cancer. Stoll BA. *Brit Med J* 5413:875, 3 Oct 64  
 Carcinogens in cigarette smoke. Robertson LS. *S Afr Med J* 38:617, 15 Aug 64  
 The relationship of enzymes and viruses to cancer. Introduction. Copeland MM. *Southern Med J* 57:1261-2, Nov 64  
 Tumor growth in germfree and monocontaminated animals. DiVincenti FC, et al. *Surg Forum* 15:350-2, 1964



## NEOPLASM IMMUNOLOGY

- The antigenic composition of tumours, sera and urines of tumour-bearing mice and the partial purification of two antigens present in increased amounts. Witzl I, et al. *Brit J Cancer* 18:397-406, Jun 64
- Modification of cell antigens during aminoazo dye carcinogenesis in rat liver. Baldwin RW. *Brit J Cancer* 18:285-98, Jun 64
- Serum properdin in tumor-bearing mice. II. The influence of tumors of different origin. Schwartz EE, et al. *Cancer Res* 24:830-4, Jun 64
- Serum properdin in tumor-bearing mice. I. Comparison with natural and immune antibodies. Schwartz EE, et al. *Cancer Res* 24:825-9, Jun 64
- Correlation of immunofluorescence and infectivity in the developing bovine cutaneous papilloma. Smithies LK, et al. *Cancer Res* 24:674-81, May 64
- Further studies of the immunological properties of Gross virus-induced lymphomas. Wahren B. *Cancer Res* 24:906-14, Jun 64
- Modification of the immune response of mice to skin homografts and heterografts by Ehrlich ascites carcinoma. McCarthy RE. *Cancer Res* 24:915-9, Jun 64
- Acquisition of heightened resistance and susceptibility to spontaneous mouse mammary carcinomas in the original host. Weiss DW, et al. *Cancer Res* 24:732-41, May 64
- Studies on adaptation of Rous sarcoma virus to ducks. Kuwata T. *Cancer Res* 24:947-56, Jun 64
- Studies in immunization against a transplantable cerebral mouse glioma. Scheinberg LC, et al. *J Neurosurg* 20:312-7, Apr 63
- Immunity and the treatment of cancer. Milner JE, et al. *Lancet* 2:816-7, 10 Oct 64
- Influence of thymectomy on tumor induction by polyoma virus in C57BL mice. Miller JF. *Proc Soc Exp Biol Med* 116:323-7, Jun 64
- Immunogenicity of cell free extracts of neoplastic tissue. Pilch YH. *Surg Forum* 15:348-50, 1964
- The role of host connective tissue in controlling local tumor invasion. Madden RE, et al. *Surg Forum* 15:340-2, 1964
- Growth of heterologous tumor in thymectomized rats. Jones RF. *Surg Forum* 15:364-5, 1964

## NEOPLASM METASTASIS

- Fibrosarcoma of the rectum. Russell IS, et al. *Aust New Zeal J Surg* 34:27-31, Aug 64
- Solitary metastatic orbital tumour due to sympathetic neuroblastoma. Sivaramasubramaniam P. *Brit J Ophthalmol* 47:312-3, May 63
- Effect of orotic acid on the metastasis of mammary tumors in mice. Chu EW, et al. *Cancer Res* 24:671-3, May 64
- The relationship between the dissemination of tumor cells and the distribution of metastases. Greene HS, et al. *Cancer Res* 24:799-811, Jun 64
- Metastasis from the brain. Greene HS, et al. *Cancer Res* 24:1021-7, Jul 64
- Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. Hayata Y, et al. *Dis Chest* 46:51-60, Jul 64
- Carcinomatous metastasis to the vertebral bodies. Drury AB, et al. *J Clin Path* 17:448-57, Jul 64
- Some thoughts on pain localization. Klingon GH. *J Int Coll Surg* 42:396-403, Oct 64
- Multiple primary tumors of the intestine with massive resection and survival. Brown HW, et al. *J Int Coll Surg* 42:360-6, Oct 64
- Intracranial tumors with extracranial metastases. Case report and review of the literature. Glasauer FE, et al. *J Neurosurg* 20:474-93, Jun 63
- Radioactive phosphorus treatment of bone-metastatic carcinoma of the prostate. Smart JG. *Lancet* 2:882-3, 24 Oct 64
- Seven-year survival after bilateral adrenalectomy and oophorectomy for carcinomatosis. Taylor H. *Proc Roy Soc Med* 57:676-8, Aug 64
- Low molecular weight dextran and metastatic tumor. Griffin WO Jr, et al. *Surg Forum* 15:338-40, 1964
- [Tumor cells in the blood stream] Schmähl D. *Deutsch Med Wschr* 89:1849-50, 25 Sep 64 (Ger)

## NEOPLASM PROTEINS

- Assay of carcinoid tumor for quinonoid derivatives of 5-hydroxytryptamine. Bates HR Jr, et al. *Amer J Clin Path* 42:55-7, Jul 64
- The interstitial fluid of solid tumors. Gullino PM, et al. *Cancer Res* 24:780-94, Jun 64
- Inhibition of amino acid incorporation into protein of Yoshida ascites hepatoma cells by glyceraldehyde. Guidotti GG, et al. *Cancer Res* 24:900-5, Jun 64
- Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64
- Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. *Cancer Res* 24:570-81, May 64
- An analysis of melanoprotein from amphibia liver and from a human liver melanoma. Hack MH, et al. *Proc Soc Exp Biol Med* 116:348-50, Jun 64

Immunogenicity of cell free extracts of neoplastic tissue. Pilch YH. *Surg Forum* 15:348-50, 1964

## NEOPLASM RADIOTHERAPY

- Results of radiation dosimetry in telecobalt and roentgen therapy. Voutilainen A, et al. *Ann Chir Gynaec Fenn* 53:357-63, 1964
- The current status of radiotherapy in carcinoma laryngis. Garland LH. *Ann Otol* 73:488-500, Jun 64
- Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD. *Brit J Ophthalmol* 47:257-65, May 63
- Endolymphatic therapy with radioactive gold for malignant melanoma. Jantet GH, et al. *Brit Med J* 5414:904-6, 10 Oct 64
- Management of malignant melanoma. Green A. *Brit Med J* 5418:1200-1, 7 Nov 64
- Pre-operative irradiation in the treatment of patients with carcinoma of the oesophagus and of some other sites. Nakayama K. *Clin Radiol* 15:232-41, Jul 64
- Chorion-carcinoma in the Midlands. Mills W. *Clin Radiol* 15:280-2, Jul 64
- Treatment of post-cricoid carcinoma by combined intravaginal and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64
- Chorion-carcinoma-radiotherapy. Bromley JF. *Clin Radiol* 15:263-6, Jul 64
- Giant haemangioma with thrombocytopenia. Duncan W, et al. *Clin Radiol* 15:224-31, Jul 64
- Observations on intralymphatic radiotherapy and general chemotherapy. Chiappa S, et al. *Clin Radiol* 15:202-9, Jul 64
- Stromal interference in radioresponse of squamous cell carcinoma of the oral cavity. Krishnamurthi S, et al. *Clin Radiol* 15:246-50, Jul 64
- Treatment of post-cricoid carcinoma by combined intracavitary and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64
- The role of radiotherapy in the treatment of tumours in children. Pearson D. *J Clin Path* 17:423-6, Jul 64
- Intracavitary irradiation of malignant brain tumours. Drake CG, et al. *J Neurosurg* 20:428-34, May 63
- Carcinoma of bladder: cobalt therapy. Goodman GB, et al. *J Urol* 92:30-6, Jul 64
- Radioactive phosphorus treatment of bone-metastatic carcinoma of the prostate. Smart JG. *Lancet* 2:882-3, 24 Oct 64
- Combined therapy in malignant disease. *Lancet* 2:797-9, 10 Oct 64
- The treatment of carcinoma of the body of the uterus. *Proc Roy Soc Med* 57:467-78, Jun 64
- Lymphomas: relationship between dosage and recurrence. Jacobs ML, et al. *Radiology* 83:106-7, Jul 64
- Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Phillips TL, et al. *Radiology* 83:98-105, Jul 64
- Whalen JP: Role of catecholamine excretion in diagnosis and treatment of neuroblastoma: report of two cases. Voorhes ML. *Radiology* 83:92-7, Jul 64
- Tumoricidal factor in laser radiation. Minton JP, et al. *Surg Forum* 15:335-6, 1964
- [Clinical evaluation of the proteo-anabolic activity of l-methyl-delta androstenedione in patients with malignant neoplasms during actinotherapy] Pipino G. *Minerva Med* 55:2413-7, 18 Aug 64 (It)

## NEOPLASM STATISTICS

- Carcinoma of bladder: cobalt therapy. Goodman GB, et al. *J Urol* 92:30-6, Jul 64
- Cancer of the head and neck in children. Sutow WW. *JAMA* 190:414-6, 2 Nov 64
- Cancer incidence and mortality in patients having anticoagulant therapy. Michaels L. *Lancet* 2:832-5, 17 Oct 64
- Some problems of lung cancer. Lombard HL. *Lancet* 2:691, 20 Sep 64

## NEOPLASM THERAPY

- Ultra-clean ward for cancer chemotherapy. Bagshawe KD. *Brit Med J* 5413:871-2, 3 Oct 64
- Impact of malignant diseases on the general practitioner. Gibson R. *Brit Med J* 5415:965-9, 17 Oct 64
- Management of malignancy. *Brit Med J* 5415:959-60, 17 Oct 64
- Chorion-carcinoma in the Midlands. Mills W. *Clin Radiol* 15:260-2, Jul 64
- Giant haemangioma with thrombocytopenia. Duncan W, et al. *Clin Radiol* 15:224-31, Jul 64
- Combined therapy in malignant disease. *Lancet* 2:797-9, 10 Oct 64
- Immunity and the treatment of cancer. Milner JE, et al. *Lancet* 2:816-7, 10 Oct 64
- Treatment of neoplastic effusions with chlorambucil. Zelenik JS, et al. *Obstet Gynec* 23:703-7, May 64
- The use of endoxan in the treatment of cancer. A reply by Noristan Laboratories (PTY.) LTD. and Asta-Werke A G. *S Afr Med J* 38:Suppl:1-6, 15 Aug 64
- Time-dose relationship of 5-fluorouracil. Schultz PE, et al. *Surg Forum* 15:333-4, 1964

- [Hematopoietic cell grafts and their applications] Mathé G. *Presse Med* 72:2391-4, 3 Oct 64 (Fr)
- [Palliative treatment of cancers with thio-TEPA. Study of 115 cases. Value in breast cancers] Lagarde C, et al. *Presse Med* 72:2285-90, 23 Sep 64 (Fr)
- [Clinical evaluation of the proteo-anabolic activity of l-methyl-delta androstenedione in patients with malignant neoplasms during actinotherapy] Pipino G. *Minerva Med* 55:2413-7, 18 Aug 64 (It)

## NEOPLASMS

- Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN. *Amer J Path* 44:973-81, Jun 64
- Thrombocytosis associated with malignant disease. Levin J, et al. *Arch Intern Med (Chicago)* 114:497-500, Oct 64
- The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. Ball JK, et al. *Brit J Urol* 36:225-37, Jun 64
- Management of the child with a fatal disease. *Clin Pediat (Phila)* 3:418-27, Jul 64
- Percutaneous interruption of spinal-pain tracts by means of a strontium90 needle. Mullan S, et al. *J Neurosurg* 20:931-9, Nov 63
- Cancer in pregnancy. Cade S. *J Obstet Gynaec Brit Comm* 71:341-8, Jun 64
- Macrocytosis of the erythrocytes. A preliminary report. Hattersley PG. *JAMA* 189:997-9, 28 Sep 64
- Applicability of the HeLa (Gey) strain of human malignant epithelial cells to the propagation of arboviruses. Buckley SM. *Proc Soc Exp Biol Med* 116:354-8, Jun 64
- Radiation effects on cell cycle dynamics. Hendrickson FR, et al. *Radiology* 83:131-40, Jul 64

## NEOPLASMS, EXPERIMENTAL

- Lack of enhanced lysis of fibrinogen-I-131 by anticoagulants in tumor-bearing rats. Shaeffer JR. *Amer J Physiol* 208:1251-4, Jun 64
- Tracer studies on a transplantable hamster melanoma. Potts AM. *Arch Ophthalmol (Chicago)* 72:359-64, Sep 64
- Intramuscular precancerous lesions from hydrocarbons. Ikuta F, et al. *Arch Pathol (Chicago)* 78:377-89, Oct 64
- The relationship of fever to tumour necrosis in the rat. Allen IV. *Brit J Cancer* 18:378-85, Jun 64
- The uptake of fluorescent labelled proteins by normal and tumour tissues in vivo. Easty GC. *Brit J Cancer* 18:368-77, Jun 64
- The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. Ball JK, et al. *Brit J Urol* 36:225-37, Jun 64
- Correlation of immunofluorescence and infectivity in the developing bovine cutaneous papilloma. Smithies LK, et al. *Cancer Res* 24:674-81, May 64
- Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Yokoro K, et al. *Cancer Res* 24:683-8, May 64
- The relationship between the dissemination of tumor cells and the distribution of metastases. Greene HS, et al. *Cancer Res* 24:799-811, Jun 64
- Tumors occurring in newborn mice after inoculation of human cancer material. Moore AE, et al. *Cancer Res* 24:765-9, Jun 64
- The interstitial fluid of solid tumors. Gullino PM, et al. *Cancer Res* 24:780-94, Jun 64
- Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64
- Constancy of chromosome karyotype in human tumors H.Ad.1 and H.Ep.3 maintained in laboratory animals. Haley HB, et al. *Cancer Res* 24:639-47, May 64
- Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. Rutman RJ, et al. *Cancer Res* 24:626-33, May 64
- Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64
- Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64
- Phagocytosis in vivo of heterologous red cells in mice with transplanted tumors. Stern K. *Cancer Res* 24:1063-9, Jul 64
- Chemically induced regressing experimental epidermal tumors in mice. Frei JV. *Cancer Res* 24:1083-4, Jul 64
- Metabolism and distribution of 9-beta-D-arabinofuranosyladenine in mouse tissues. Brink JJ, et al. *Cancer Res* 24:1042-9, Jul 64
- The incorporation of C14 from 3,4-dihydroxyphenylalanine-2-C14 into the melanin of mouse melanomas. Blois MS Jr, et al. *Cancer Res* 24:863-8, Jun 64
- Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminobenzene. De Lamirande G. *Cancer Res* 24:742-50, May 64



Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. **Cancer Res** 24:614-8, May 64

Damage to the thymus and other lymphoid tissues from 3-methylcholanthrene, and subsequent thymoma production, in mice. Yasuhira K. **Cancer Res** 24:558-69, May 64

Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. **Cancer Res** 24:570-81, May 64

Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al. **Cancer Res** 24:582-5, May 64

Treatment of experimental ascites tumors with crystalline ribonuclease. Podolsky S, et al. **Curr Ther Res** 6:387-93, May 64

Effect of thyroidectomy with and without thyroxine replacement on transplantable thyroid tumors in rats. Sisson JC, et al. **Endocrinology** 74:925-9, Jun 64

Studies with mouse pituitary thyrotropic tumors. 8. Werner SC, et al. **Endocrinology** 75:66-77, Jul 64

An experimental study of tissue-concentration ratios of As74 arsenate and labeled organic conjugates. McQueen JD, et al. **J Neurosurg** 21:641-6, Aug 64

Studies in immunization against a transplantable cerebral mouse glioma. Scheinberg LC, et al. **J Neurosurg** 20:312-7, Apr 63

The production of a virus-induced tumor in the central nervous system of monkeys. Ausman JI, et al. **J Neurosurg** 21:660-6, Aug 64

Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. Schroeder HA, et al. **J Nutr** 83:239-50, Jul 64

Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Bragonier JR, et al. **Proc Soc Exp Biol Med** 116:685-8, Jul 64

Characteristics of human adenovirus type 12 induced hamster tumor cells in tissue culture. Kitamura I, et al. **Proc Soc Exp Biol Med** 116:563-8, Jul 64

Host-virus relationships in hamsters inoculated with SV40 virus during the neonatal period. Girardi AJ, et al. **Proc Soc Exp Biol Med** 116:723-8, Jul 64

Action of isoimmune serum on peritoneal cells in vitro. Bennett B, et al. **Proc Soc Exp Biol Med** 116:404-9, Jun 64

Influence of thymectomy on tumor induction by polyoma virus in C57BL mice. Miller JF. **Proc Soc Exp Biol Med** 116:323-7, Jun 64

Preoperative irradiation: evaluation by a simple experimental model. Feder BH, et al. **Radiology** 83:111-9, Jul 64

Radiation effects on cell cycle dynamics. Hendrickson FR, et al. **Radiology** 83:131-40, Jul 64

Tumoricidal factor in laser radiation. Minton JP, et al. **Surg Forum** 15:335-6, 1964

Low molecular weight dextran and metastatic tumor. Griffin WO Jr, et al. **Surg Forum** 15:338-40, 1964

Hyperbaric oxygen and 5-fluorouracil in the treatment of experimental melanoma. Kinsey DL. **Surg Forum** 15:205-6, 1964

Effect of hyperbaric oxygen and cancer chemotherapy on growth of animal tumors. DeCosse JJ, et al. **Surg Forum** 15:203-5, 1964

Age and sex factors in experimental brain tumors. Perese DM. **Surg Forum** 15:429-31, 1964

Alkylating agents and iodophor compounds for the prevention of local recurrence of cancer. Vernick JJ, et al. **Surg Forum** 15:336-8, 1964

The role of host connective tissue in controlling local tumor invasion. Madden RE, et al. **Surg Forum** 15:340-2, 1964

Effect of transplantable tumors on the serumcoid fraction of rats' serum. Macbeth RA, et al. **Surg Forum** 15:362-4, 1964

## NEOPLASMS, MULTIPLE PRIMARY

Multiple primary tumors of the intestine with massive resection and survival. Brown HW, et al. **J Int Coll Surg** 42:360-6, Oct 64

The problem of multicentric gliomas. Batzdorf U, et al. **J Neurosurg** 20:122-36, Feb 63

Meningioma and astrocytoma adjacent in the brain. Nagashima C, et al. **J Neurosurg** 20:995-9, Nov 63

## NEOPLASMS, RADIATION-INDUCED

Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Yokoro K, et al. **Cancer Res** 24:683-8, May 64

Pituitary sarcoma; a possible consequence of radiation. Greenhouse AH. **JAMA** 190:269-73, 26 Oct 64

## NEOSTIGMINE

Studies on a cholinesterase of *Pseudomonas fluorescens*. 3. Acetyltransferase activity. Fitch WM. **J Biol Chem** 239:1328-34, May 64

## NEPHRECTOMY

Cell proliferation in experimental hydronephrosis and compensatory renal hyperplasia. Benitez L, et al. **Amer J Path** 44:961-72, Jun 64

Quantitative assay and disappearance rate of circulating renin. Schaechtelin G, et al. **Amer J Physiol** 206:1361-4, Jun 64

Failure to demonstrate vasopressor material in salt hypertensive rats. Koletsky S, et al. **Amer J Physiol** 207:152-4, Jul 64

The effect of opposite nephrectomy upon developing experimental open hydronephrosis in the rat. Arnold DD. **Brit J Urol** 36:175-83, Jun 64

Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. Kolff WJ, et al. **Circulation** 30:Suppl 2:23-35, Aug 64

Effect of anemic hypoxia on erythropoiesis of normal and uremic dogs with or without kidneys. Naets JP, et al. **J Nucl Med** 5:471-9, Jun 64

Experimental evaluation of tissue adhesives in urogenital surgery. Yoho AV, et al. **J Urol** 92:56-9, Jul 64

Effect of blood volume changes on renin-like activity in blood. Ziegler M, et al. **Proc Soc Exp Biol Med** 116:774-8, Jul 64

Regulation of aldosterone secretion by an hepatic receptor. Orloff MJ, et al. **Surg Forum** 15:74-6, 1964

## NEPHRITIS

Hepatocellular lipofuscin after excessive ingestion of analgesics. Abrahams C, et al. **Lancet** 2:621-2, 19 Sep 64

Sweating in the treatment of chronic uraemia. Sobel J, et al. **Lancet** 2:760-1, 3 Oct 64

## NEPHRITIS, INTERSTITIAL

[Anuria caused by acute interstitial nephropathy in the course of prolonged phenindione treatment] Rapin M, et al. **Presse Med** 72:2279-84, 23 Sep 64 (Fr)

## NEPHROBLASTOMA

Adult carcinosarcoma (adult Wilms' tumor) of the kidney. Newman D, et al. **Amer J Clin Path** 42:45-54, Jul 64

Unattached nephroblastoma. Bhajekar AB, et al. **Brit J Urol** 36:187-90, Jun 64

Ewing's tumours and neuroblastomas. Marsden HB, et al. **J Clin Path** 17:411-7, Jul 64

Pathology of tumours in children. Steward JK. **J Clin Path** 17:407-10, Jul 64

## NEPHROSIS

Poststeroid panniculitis. Report of a case and review of the literature. Roenigk HH Jr, et al. **Arch Derm (Chicago)** 90:387-91, Oct 64

Pseudotumor cerebri in children secondary to administration of adrenal steroids. Cohn GA. **J Neurosurg** 20:784-6, Sep 63

## NEPHROSIS, LIPOID

Recurrent nephrotic syndrome. Shearn MA, et al. **Arch Intern Med (Chicago)** 114:525-9, Oct 64

## NEPHROTIC SYNDROME

Recurrent nephrotic syndrome. Shearn MA, et al. **Arch Intern Med (Chicago)** 114:525-9, Oct 64

Endogenous-creatinine clearance and glomerular-filtration rate. Berlyne GM, et al. **Lancet** 2:874-6, 24 Oct 64

## NERVE CONDUCTION

Muscle excitability in experimental crossed nerve anastomosis in the rat. Koczocik-Przedpelska J. **Amer J Phys Med** 43:146-56, Aug 64

Fast-conducting fibres in the mitral valve. Williams TH. **Brit Heart J** 26:554-7, Jul 64

Some thoughts on pain localization. Klingon GH. **J Int Coll Surg** 42:396-403, Oct 64

Motor-nerve function and duration of diabetes. Gregersen G. **Lancet** 2:733, 3 Oct 64

Subclinical polyneuropathy in renal insufficiency. Preswick G, et al. **Lancet** 2:731-2, 3 Oct 64

## NERVE ENDINGS

Pathology of trabecular nerves in open-angle glaucoma. Wolter JR, et al. **Brit J Ophthalmol** 47:1-10, Jan 63

Staining of sensory and motor nerves in muscles with sudan black B. Cavanagh JB, et al. **J Path Bact** 88:89-92, Jul 64

## NERVE TISSUE

Permanent plastic mounts of nervous tissue after differential gross staining. Waters ES. **Amer J Clin Path** 42:114-7, Jul 64

Nerve regeneration in replanted canine limbs. Mayer RF, et al. **Amer J Physiol** 206:1415-21, Jun 64

Action of surfactants on rubidium loss from frog sciatic nerves. Walsh RR, et al. **Amer J Physiol** 206:1422-4, Jun 64

Experimental peripheral nerve repair tubulation. Braun RM. **Surg Forum** 15:452-4, 1964

## NERVE TISSUE PROTEINS

Tissue copper proteins in Wilson's disease. Intracellular distribution and chromatographic fractionation. Porter H. **Arch Neurol (Chicago)** 11:341-9, Oct 64

## NERVOUS SYSTEM DISEASES

Neuro-ophthalmology. Hoyt WF. **Arch Ophthalmol (Chicago)** 72:679-719, Nov 64

Retinal neuropathology of late infantile amaurotic idiocy. Wolter JR, et al. **Brit J Ophthalmol** 48:277-84, May 64

A study of chromatolysis in dorsal root ganglia at the cellular level. Mackey EA, et al. **J Neuropath Exp Neurol** 23:508-26, Jul 64

Neuropathologic findings in exotic neurologic disorders among natives of the highlands of New Guinea. Neumann MA, et al. **J Neuropath Exp Neurol** 23:486-507, Jul 64

Instability of myelin antigens derived from human brain. Böhme D, et al. **Lancet** 2:886-8, 24 Oct 64

[Diseases with autoantibodies. Clinical and experimental data] Mikol C, et al. **Presse Med** 72:2521-4 contd, 17 Oct 64 (Fr)

## NEURALGIA

Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. Kong Y, et al. **Circulation** 30:109-13, Jul 64

Primary juvenile otalgia: report of a case with surgical cure. Cooper DW, et al. **J Neurosurg** 20:895-8, Oct 63

Successful treatment of causalgia of upper extremity with medullary spinthalamic tractotomy. Case report and review of the literature. Birkenfeld R, et al. **J Neurosurg** 20:303-11, Apr 63

## NEURAMINIC ACIDS

Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth RA, et al. **Cancer Res** 24:614-8, May 64

## NEURILEMMOMA

Roentgen finding in gastro-intestinal bleeding after resection of the stomach. Helelä T, et al. **Ann Chir Gynaec Fenn** 53:364-7, 1964

Preoperative hormonal treatment in cases of cerebral tumor. Bernard-Weil E, et al. **J Neurosurg** 20:841-8, Oct 63

Nerve Tumours of the vulva. Case report and commentary. Pece G. **J Obstet Gynaec Brit Comm** 71:643-5, Aug 64

## NEUROBLASTOMA

Neuroblastoma of nodose ganglion of infant vagus nerve. Rosedale RS. **Arch Otolaryng (Chicago)** 80:454-9, Oct 64

Solitary metastatic orbital tumour due to sympathetic neuroblastoma. Sivaramasubramaniam P. **Brit J Ophthalmol** 47:312-3, May 63

Urinary vanillylpyruvic acid neuroblastoma. Gjessing LR, et al. **Lancet** 2:818, 10 Oct 64

Whalen JP: Role of catecholamine excretion in diagnosis and treatment of neuroblastoma: report of two cases. Voorhess ML. **Radiology** 83:92-7, Jul 64

## NEURODERMATITIS

[Acetylcholine and histamine bronchial spasm in neurodermatitis and control subjects] Gottesfeld F. **Int Arch Allerg** 24:Suppl:52-3, 1964 (Ger)

[Neurodermatitis: course, test results and pathogenesis] Eichenberger M. **Int Arch Allerg** 24:Suppl:56-7, 1964 (Ger)

## NEUROFIBRILS

Return of neural responses after autotransplantation of the heart. Willman VL, et al. **Amer J Physiol** 207:187-9, Jul 64

Pathology of trabecular nerves in open-angle glaucoma. Wolter JR, et al. **Brit J Ophthalmol** 47:1-10, Jan 63

Staining of sensory and motor nerves in muscles with sudan black B. Cavanagh JB, et al. **J Path Bact** 88:89-92, Jul 64

## NEUROFIBROMA

The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al. **Radiology** 83:26-35, Jul 64



## NEUROFIBROMATOSIS

- Some neurosurgical aspects of the so-called phakomatoses. Obrador S. **J Neurosurg** 20:296-302, Apr 63  
Ocular neurofibromatosis. Gillespie FD. **Southern Med J** 57:1340-1, Nov 64

## NEUROGLIA

- Neuroglial relationships in the human retinal capillary network. Erskine CA. **Brit J Ophthalmol** 47:601-10, Oct 63  
Cytologic and cytochemical studies of neuroglia. 3. The DNA content of giant fibrous astrocytes, with implications concerning the nature of these cells. Lapham LW, et al.  
**J Neuropath Exp Neurol** 23:419-30, Jul 64  
Effect of mononuclear blood cells from multiple sclerosis patients on neuroglia in tissue culture. Berg O, et al. **J Neuropath Exp Neurol** 23:550-9, Jul 64

## NEUROLOGIC MANIFESTATIONS

- Pulseless disease. Jain IS, et al.  
**Brit J Ophthalmol** 47:304-7, May 63  
Neurological symptoms with phenothiazines. Bockner S. **Brit Med J** 5413:876, 3 Oct 64  
Incubation hemolysis and red cell metabolism in acanthocytosis. Simon ER, et al.  
**J Clin Invest** 43:1311-21, Jul 64  
Confusion and disturbance of speech from stimulation in vicinity of the head of the caudate nucleus. Van Buren JM. **J Neurosurg** 20:148-57, Feb 63  
A study of some factors modifying response of cerebral tissue to subdural hematomata. Aronson SM, et al.  
**J Neurosurg** 20:89-93, Feb 63  
Prolapsed calcified thoracic intervertebral disc. Taylor TK, et al. **J Path Bact** 88:153-7, Jul 64  
The neurological deficit after extradural haematoma. Troupp H, et al. **Lancet** 2:891-2, 24 Oct 64  
Cancer of the nasopharynx. Lederman M. **Proc Roy Soc Med** 57:740-2, Aug 64

## NEUROLOGY

- Tribute to Otfried Foerster. (Foerster O), et al. **J Neurosurg** 20:84-5, Jan 63  
Careers in neuropathology. Wolfe A. **Lab Invest** 13:652-7, Jun 64  
Use and abuse of electroencephalography. Pampiglione G. **Lancet** 2:815, 10 Oct 64

## NEUROMUSCULAR SPINDLES

- Contribution of muscle spindle circuits to learning as suggested by training under flaxedil. Buchwald JS, et al. **Electroenceph Clin Neurophysiol** 16:582-94, Jun 64  
Staining of sensory and motor nerves in muscles with sudan black B. Cavanagh JB, et al.  
**J Path Bact** 88:89-92, Jul 64

## NEURONS

- Muscle excitability in experimental crossed nerve anastomosis in the rat. Koczocik-Przedpeiska J. **Amer J Phys Med** 43:148-58, Aug 64  
Neuroglial relationships in the human retinal capillary network. Erskine CA. **Brit J Ophthalmol** 47:601-10, Oct 63  
Circuit for estimating the electrical waveform across somatic membrane of nerve cells from extracellular recordings. Freygang WH Jr. **Electroenceph Clin Neurophysiol** 16:619-20, Jun 64

## NEUROPHYSIOLOGY

- Use and abuse of electroencephalography. Pampiglione G. **Lancet** 2:815, 10 Oct 64

## NEUROSECRETION

- The significance of invertebrate hormones in relation to differentiation. Burdette WJ. **Cancer Res** 24:521-36, May 64

## NEUROSES,

## OBSESSIVE-COMPULSIVE

- Acute water-intoxication from compulsive water-drinking. Bewley TH. **Brit Med J** 5413:864, 3 Oct 64

## NEUROSPORA

- Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA. **Cancer Res** 24:619-25, May 64  
Nicotinamide adenine dinucleotide-specific isocitric dehydrogenase. A possible regulatory protein. Sanwal BD, et al. **J Biol Chem** 239:1597-603, May 64

## NEUROSURGERY

- Resection of the obturator nerve in the treatment of adductor spasticity in cerebral palsy. Hagberg B, et al. **Acta Orthop Scand** 34:258-70, 1964  
Operation for blepharospasm. Scassellati Sforzolini G. **Brit J Ophthalmol** 48:165-8, Mar 64  
Cytotoxicity of autoclaved carbohydrate solutions. Jones CS. **Brit Med J** 5413:878, 3 Oct 64  
Colloid cyst of third ventricle. An electron microscopic study. Cox WS, et al.  
**J Neuropath Exp Neurol** 23:431-45, Jul 64  
Experimental postoperative cerebral edema. Mann FD, et al. **J Neurosurg** 20:687-91, Aug 63  
Mesial cerebral incision. Baldwin M, et al.  
**J Neurosurg** 20:679-86, Aug 63  
Posttraumatic epilepsy and early cranioplasty. Erculei F, et al. **J Neurosurg** 20:1085-9, Dec 63  
Neurosurgical classic. XIV. Wilkins RH.  
**J Neurosurg** 20:1090-9, Dec 63  
The National Institutes of Health and the neurological surgeon. Bucy PC. **J Neurosurg** 20:118-21, Feb 63  
Neurosurgical classics--XXI. Wilkins RH, et al.  
**J Neurosurg** 21:713-23, Aug 64  
Restoration of digital sensation after transference of nerves. Turnbull F. **J Neurosurg** 20:236-40, Mar 63  
Neurosurgical classic. XI. Wilkins RH.  
**J Neurosurg** 20:814-24, Sep 63  
Anterolateral cordotomy by an anterior approach: report of a case. Collis JS Jr.  
**J Neurosurg** 20:445-6, May 63  
Peru and neurosurgery on Project Hope. Mount LA. **J Neurosurg** 20:512-4, Jun 63  
Dural instrument. Baldwin M.  
**J Neurosurg** 20:447, May 63  
Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery. Gerlach J, et al. **J Neurosurg** 20:885-7, Oct 63  
The use of adhesive tapes for closure of scalp and skin. Otenasek RJ, et al. **J Neurosurg** 20:812-3, Sep 63  
Use of plastic adhesive for reinforcement of a ruptured intracranial aneurysm. Messer HD, et al.  
**J Neurosurg** 20:360-2, Apr 63  
Neurosurgical classics. VI. Wilkins RH.  
**J Neurosurg** 20:366-9, concl, Apr 63  
Neurosurgical classic. V. Wilkins RH.  
**J Neurosurg** 20:267-70, contd, Mar 63  
Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. Abraham J, et al. **J Neurosurg** 20:252-3, Mar 63  
Trigeminal compression for tic douloureux: an evaluation. Graf CJ. **J Neurosurg** 20:1029-32, Dec 63  
Bony spicule piercing the pumping device for shunting cerebrospinal fluid. Jakoby RK.  
**J Neurosurg** 20:523, Jun 63  
Neurosurgical classic. 13. Wilkins RH.  
**J Neurosurg** 20:1009-22, Nov 63  
Percutaneous interruption of spinal-pain tracts by means of a strontium-90 needle. Mullan S, et al.  
**J Neurosurg** 20:931-9, Nov 63  
A nuclear needle for use in neurosurgery. Mullan S, et al. **J Neurosurg** 20:940-7, Nov 63  
Tribute to Otfried Foerster. (Foerster O), et al. **J Neurosurg** 20:84-5, Jan 63  
Removal of cerebral cortical tissue with negligible scar formation using a beam of high-energy particles. Van Dyke D, et al. **J Neurosurg** 20:289-95, Apr 63  
Some neurosurgical aspects of the so-called phakomatoses. Obrador S.  
**J Neurosurg** 20:296-302, Apr 63  
A case of meningitis due to *Clostridium welchii*. Willis AT, et al. **J Path Bact** 88:312-4, Jul 64  
Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Phillips TL, et al. **Radiology** 83:98-105, Jul 64  
[Present status of the treatment of Parkinson's disease] Auquier L, et al.  
**Presse Med** 72:2531-4, 17 Oct 64 (Fr)  
[Late prognosis in children with surgically treated meningomyelocele] Lagrange E, et al.  
**Deutsch Med Wschr** 89:1457-62, 31 Jul 64 (Ger)

## NEUTROPHILS

- Amino-peptidase activity in myocardial infarction of man. A histochemical study. Monis B, et al.  
**Amer J Path** 44:867-76, Jun 64  
Electron-microscope observations on the phagocytosis of neutrophil polymorphonuclear leucocytes by macrophages. Brewer DB. **J Path Bact** 88:307-9, Jul 64

## NEVUS

- The basal cell nevus syndrome. Howell JB, et al. **JAMA** 190:274-7, 26 Oct 64

## NIALAMIDE

- Observations on adrenaline-induced fibrinolysis in man. Tanser AR, et al. **Clin Sci** 26:375-80, Jun 64  
Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI. **JAMA** 190:456-62, 2 Nov 64

## NICKEL

- The production of malignant tumours by nickel in the rat. Heath JC, et al. **Brit J Cancer** 18:261-4, Jun 64  
Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. **J Biol Chem** 239:1635-9, May 64  
Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. Schroeder HA, et al. **J Nutr** 83:239-50, Jul 64

## NICOTINAMIDE

- Potentiation of the anti-leukemic effects of 2-aminothiazole by isonicotinamide and derivatives. Oettgen HF, et al.  
**Cancer Res** 24:689-92, May 64  
Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. Dietrich LS, et al.  
**J Biol Chem** 239:1653-5, May 64

## NICOTINE

- Reflex pulmonary vasoconstriction due to stimulation of the aortic body by nicotine. Stern S, et al.  
**Amer J Physiol** 206:1189-95, Jun 64  
Effect of tobacco smoke solutions on *Paramecium*. Weiss W, et al.  
**Arch Environ Health (Chicago)** 9:500-4, Oct 64  
The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Boyland E, et al.  
**Brit J Cancer** 18:285-70, Jun 64

## NICOTINIC ACID

- Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder and kidney. Alfano A, et al.  
**Brit J Cancer** 18:386-9, Jun 64  
To-day's drugs. Agents for lowering serum cholesterol. **Brit Med J** 5418:1181-3, 7 Nov 64  
Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. Dietrich LS, et al.  
**J Biol Chem** 239:1653-5, May 64  
Effect of nicotinic acid on the fatty acid metabolism of adipose tissue in alloxan diabetic rats. Ostman J. **Metabolism** 13:675-80, Jul 64

## NISSL BODIES

- Cytologic and cytochemical studies of neuroglia. 3. The DNA content of giant fibrous astrocytes, with implications concerning the nature of these cells. Lapham LW, et al.  
**J Neuropath Exp Neurol** 23:419-30, Jul 64  
A study of chromatolysis in dorsal root ganglia at the cellular level. Mackey EA, et al.  
**J Neuropath Exp Neurol** 23:508-26, Jul 64

## NITRATES

- Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. Jacobs NJ, et al.  
**J Bact** 87:1406-11, Jun 64

## NITRIC OXIDE

- The reactivity of ferrocytochrome c with iron-binding ligands. George P, et al.  
**J Biol Chem** 239:1504-8, May 64

## NITRITES

- Mercuric cyanide poisoning and its treatment in dogs. Rose CL, et al.  
**Proc Soc Exp Biol Med** 116:371-3, Jun 64  
[Methemoglobinemia in young infants caused by nitrite-containing spinich] Hölischer PM, et al.  
**Deutsch Med Wschr** 89:1751-4, 11 Sep 64 (Ger)

## NITROBENZENES

- Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Wuertz RL, et al.  
**Arch Environ Health (Chicago)** 9:478-91, Oct 64

## NITROFURANTOIN

- Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al.  
**J Clin Path** 17:461-5, Jul 64  
Nitrofurantoin and megaloblastic anaemia. De Veber LL, et al. **Lancet** 2:697-8, 20 Sep 64

## NITROGEN

- Electrolyte and nitrogen changes in skeletal muscle of developing rats. Vernadakis A, et al.  
**Amer J Physiol** 206:1365-8, Jun 64  
Nitrogen balance studies with the milk-fed lamb. 3. Effect of different nitrogen intakes on growth and nitrogen balance. Walker DM, et al.  
**Brit J Nutr** 18:295-306, 1964  
Biochemical changes during the growth of fungi. 1. Nitrogen compounds and carbohydrate changes in



- Penicillium atrovenerum. Gottlieb D, et al. *J Bact* 88:114-21, Jul 64
- Release of integrogenous substances by brewer's yeast. 3. Shock excretion of amino acids. Lewis MJ, et al. *J Bact* 87:1389-96, Jun 64
- Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in penicillium atrovenerum. Gottlieb D, et al. *J Bact* 88:114-21, Jul 64
- Mineral analysis of the fourth lumbar vertebra in health and renal failure. Kaye M. *J Clin Invest* 43:1367-71, Jul 64
- Phenylalanine requirements with different levels of tyrosine. Burrill LM, et al. *J Nutr* 83:202-8, Jul 64
- Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. Horn MJ, et al. *J Nutr* 83:267-72, Jul 64
- The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation. Shewell J, et al. *J Path Bact* 88:61-71, Jul 64
- Nitrogen excretion by newborn infants during oxygen breathing. Nelson NM, et al. *J Pediatr* 85:299-300, Aug 64
- A quantitative expression for nitrogen retention with anabolic steroids. 3. Nortestosterone dipropionate. Metcalf W, et al. *Metabolism* 13:539-46, Jun 64
- Preservation of cell cultures by freezing in liquid nitrogen vapor. Greene AE, et al. *Proc Soc Exp Biol Med* 116:462-7, Jun 64
- Metabolic studies in toxemia of pregnancy. Goodrich SM, et al. *Surg Forum* 15:378-9, 1964

## NITROGEN MUSTARD COMPOUNDS

- Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64
- Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. Rutman RJ, et al. *Cancer Res* 24:626-33, May 64

## NITROSAMINES

- The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Boyland E, et al. *Brit J Cancer* 18:265-70, Jun 64
- Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. Hoch-Ligeti C, et al. *Brit J Cancer* 18:271-84, Jun 64
- Carcinogens in cigarette smoke. Robertson LS. *S Afr Med J* 68:617, 15 Aug 64

## NITROSO COMPOUNDS

- Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Wuertz RL, et al. *Arch Environ Health (Chicago)* 9:478-91, Oct 64

## NITROUS OXIDE

- Effects of anesthetic agents on pulmonary vascular resistance during hypoxia. Buckley MJ, et al. *Surg Forum* 15:183-4, 1964

## NOCARDIA INFECTIONS

- Mycetoma in the United States; a review and report of seven additional cases. Green WO Jr, et al. *Amer J Clin Path* 42:75-91, Jul 64
- Mycetoma in North India due to Nocardia brasiliensis. First report of N. brasiliensis from Asia. Klokke AH. *Trop Geogr Med* 16:170-1, Jun 64

## NOISE

- Hospital noise and the patient. Burger JG. *S Afr Med J* 38:704-7, 29 Aug 64

## NOREPINEPHRINE

- Dose response to carbachol and norepinephrine in rat hypothalamus. Miller NE, et al. *Amer J Physiol* 206:1384-8, Jun 64
- Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64
- Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64
- Abolition of autoregulation of renal blood flow by acetylcholine. Nahmod VE, et al. *Amer J Physiol* 207:123-7, Jul 64
- Effect of hemorrhagic shock on release of norepinephrine by tyramine. Harrison DC, et al. *Amer J Physiol* 206:1262-6, Jun 64
- The ability of certain adrenocortical hormones to potentiate the vasoconstrictor action of nor-adrenaline on the conjunctival vessels in the rabbits and in man. Lepri G, et al. *Brit J Ophthalmol* 48:205-8, Apr 64

- Action of noradrenaline. Koch-Weser J. *Brit Med J* 5416:1072-3, 24 Oct 64
- Cardiac arrhythmias produced by catecholamines in anesthetized dogs. Moore EN, et al. *Circ Res* 15:77-82, Jul 64
- Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. Dahl LK, et al. *Circulation* 30:Suppl 2:11-22, Aug 64
- In vitro effects of vasopressor agents on the metabolism of the vascular wall. Hollander W, et al. *Circulation* 30:Suppl 2:1-10, Aug 64
- Effects of catecholamines on urinary calcium and phosphorus in intact and parathyroidectomized rats. Morey ER, et al. *Endocrinology* 75:78-85, Jul 64
- Effect of adrenaline on serum lipid stability in rabbits. Wilkens JA, et al. *J Atheroscler Res* 4:346-50, Jul-Aug 64
- Chemical tests for pheochromocytoma. Kelleher J, et al. *J Clin Path* 17:399-404, Jul 64
- Catechol O-methyl transferase in skin. Bamshad J, et al. *J Invest Derm* 43:111-3, Aug 64
- Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. *J Path Bact* 88:159-66, Jul 64
- Effect of epinephrine and norepinephrine on excitability of central nervous system of mice. Swinyard EA, et al. *J Pharmacol Exp Ther* 144:52-9, Apr 64
- A study of the mechanisms of the modifying actions of cocaine, ephedrine and imipramine on the cardiovascular response to norepinephrine and epinephrine. Eble JN. *J Pharmacol Exp Ther* 144:76-82, Apr 64
- Adrenergic mechanisms and the outflow of aqueous humor from the rabbit eye. Eakins KE, et al. *J Pharmacol Exp Ther* 144:60-5, Apr 64
- The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64
- Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog. Miller AJ, et al. *Proc Soc Exp Biol Med* 116:392-4, Jun 64
- Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964
- A comparison of the physiologic effects of angiotensin with other vasoconstrictors. Rea VE, et al. *Surg Forum* 15:17-8, 1964
- Effects of vasopressors and blocking agents on the kidney in oligemia. Gjojubs RW, et al. *Surg Forum* 15:12-3, 1964
- Combined use of norepinephrine and dibenzylamine in clinical shock. Wilson RF, et al. *Surg Forum* 15:30-1, 1964

## NORETHANDROLONE

- Studies of sulfobromophthalein sodium (BSP) metabolism in man. II. The effect of artificially induced fever, norethandrolone (Nilevar), and iopanoic acid (Telapaque). Schoenfeld LJ, et al. *J Clin Invest* 43:1419-23, Jul 64

## NORETHINDRONE

- Eight years' experience with oral contraception and an analysis of use of low-dosage norethisterone. Tyler ET. *Brit Med J* 5413:843-7, 3 Oct 64
- Cerebrovascular accidents and oral contraception. Zilkha KJ. *Brit Med J* 5417:1132-3, 31 Oct 64
- Oral contraceptives and liver damage. Adlercreutz H. *Brit Med J* 5417:1133, 31 Oct 64
- Cerebrovascular accidents and oral contraception. Zilkha KJ. *Brit Med J* 5417:1132-3, 31 Oct 64
- Oral contraceptives and liver damage. Adlercreutz H. *Brit Med J* 5417:1133, 31 Oct 64
- Effect of 7-alpha-methylation on biological activities on norethindrone. Duncan GW, et al. *Proc Soc Exp Biol Med* 116:800-2, Jul 64

## NORETHYNODREL

- Oral contraceptives and liver damage. Rice-Wray E. *Brit Med J* 5415:1011, 17 Oct 64
- Cerebrovascular accidents and oral contraception. Zilkha KJ. *Brit Med J* 5417:1132-3, 31 Oct 64
- Oral contraceptives and liver damage. Adlercreutz H. *Brit Med J* 5417:1133, 31 Oct 64
- Cerebrovascular accidents and oral contraception. Zilkha KJ. *Brit Med J* 5417:1132-3, 31 Oct 64
- Oral contraceptives and liver damage. Adlercreutz H. *Brit Med J* 5417:1133, 31 Oct 64
- Norethynodrel with mestranol in treatment of rheumatoid arthritis. Gilbert M, et al. *JAMA* 190:235, 19 Sep 64
- A psychiatric evaluation of the use of oral contraceptives. A study of 250 private patients. Zell JR, et al. *Obstet Gynec* 23:657-61, May 64

## NOSE

- Experimental observations of the relationships

- between upper airway obstruction and pulmonary function. Nelson JR, et al. *Ann Otol* 73:382-403, Jun 64
- Nasal obstruction due to restriction of the bony nasal inlet. Rozner L. *Brit J Plast Surg* 17:287-96, Jul 64
- Partitioning of respiratory flow resistance in man. Ferris BG Jr, et al. *J Appl Physiol* 19:653-8, Jul 64
- Leprosy presenting with nasal obstruction. Stanton MB. *J Laryng* 78:702-6, Jul 64
- The nasal flora of Auyana people in the Eastern highlands of New Guinea. Rountree PM, et al. *Med J Aust* 2:336-7, 29 Aug 64

## NOSE DEFORMITIES

- Experimental observations of the relationships between upper airway obstruction and pulmonary function. Nelson JR, et al. *Ann Otol* 73:382-403, Jun 64
- Congenital choanal atresia in infants and children. Flake CG, et al. *Ann Otol* 73:458-73, Jun 64
- Nasal obstruction due to restriction of the bony nasal inlet. Rozner L. *Brit J Plast Surg* 17:287-96, Jul 64
- The unilateral cleft lip nose. Millard DR Jr. *Plast Reconstr Surg* 34:169-75, Aug 64
- Cleft nasal tip. Lerner SS. *Plast Reconstr Surg* 34:197-8, Aug 64
- Nasal defects associated with cleft lip deformity. Marcks KM, et al. *Plast Reconstr Surg* 34:176-81, Aug 64

## NUCLEIC ACIDS

- Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64

## NUCLEOPROTEINS

- Studies on prolonged homograft survival: a new method of approach. Jolley WB, et al. *Amer J Surg* 108:239-44, Aug 64
- Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64

## NUCLEOSIDASES

- Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. De Lamirande G. *Cancer Res* 24:742-50, May 64

## NUCLEOSIDES

- Cytosine arabinoside (CA) and other nucleosides in herpes virus infections. Underwood GE, et al. *Arch Ophthalmol (Chicago)* 72:505-12, Oct 64
- Corneal toxicity of cytosine arabinoside. Kaufman HE, et al. *Arch Ophthalmol (Chicago)* 72:535-40, Oct 64
- Treatment of muscular dystrophy with a nucleotides-nucleosides combination. Guest KE, et al. *Brit J Clin Pract* 18:395-400, Jul 64
- Laevadosin in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. Pearce JM, et al. *Brit Med J* 5414:915-7, 10 Oct 64
- Laevadosin for muscular dystrophy. Thomson WH. *Brit Med J* 5417:1135-6, 31 Oct 64
- Metabolism and distribution of 9-beta-D-arabinofuranosyladenine in mouse tissues. Brink JJ, et al. *Cancer Res* 24:1042-9, Jul 64
- Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. Bunag RD, et al. *Circ Res* 15:83-8, Jul 64
- The effect of 6-azauridine administration on de novo pyrimidine production in chronic myelogenous leukemia. Bono VH Jr, et al. *J Clin Invest* 43:1486-94, Jul 64
- S-adenosylmethionine in skin. Bamshad J, et al. *J Invest Derm* 43:115-7, Aug 64
- Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic systems in vitro. Woolfrey BF. *Lab Invest* 13:581-6, Jun 64

## NUCLEOTIDASES

- Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. De Lamirande G. *Cancer Res* 24:742-50, May 64

## NUCLEOTIDES

- Treatment of muscular dystrophy with a nucleotides-nucleosides combination. Guest KE, et al. *Brit J Clin Pract* 18:395-400, Jul 64
- Laevadosin in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. Pearce JM, et al. *Brit Med J* 5414:915-7, 10 Oct 64
- End-product inhibition of thymidine kinase activity in normal and leukemic human leukocytes. Bresnick E, et al. *Cancer Res* 24:841-6, Jun 64
- Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in



- Penicillium atrovenerum. Gottlieb D, et al. *J Bact* 88:114-21, Jul 64
- Pseudofeedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. McCollister RJ, et al. *J Biol Chem* 239:1560-3, May 64
- Maintenance of phosphonucleotides in platelets suspended in plasma. Rossi EC, et al. *J Lab Clin Med* 64:42-50, Jul 64

## NUCLEOTIDYL TRANSFERASES

- Leucocyte enzymes in Down's syndrome. Mellman WJ, et al. *Lancet* 2:674-5, 20 Sep 64

## NURSING, HOME

- Hemodialysis in the home. Merrill JP, et al. *JAMA* 190:468-70, 2 Nov 64

## NUTRITION

- The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Platt BS, et al. *Brit J Nutr* 18:413-29, 1964
- Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. Larsson Y, et al. *J Appl Physiol* 19:629-35, Jul 64
- Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relations between isoleucine and leucine for growth. Chance RE, et al. *J Nutr* 83:177-85, Jul 64
- Influence of dried grass silage and silage fractions on the basal metabolic rate of rats. McLaren GA, et al. *J Nutr* 83:218-24, Jul 64
- Effects of feeding frequency on metabolism, rate and efficiency of gain and on carcass quality of pigs. Friend DW, et al. *J Nutr* 83:251-6, Jul 64
- The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. Fabry P, et al. *Lancet* 2:614-5, 19 Sep 64
- How many calories? Food requirements reconsidered in relation to activity. Passmore R. *Lancet* 2:853-4, 17 Oct 64
- When to eat. *Lancet* 2:629-30, 19 Sep 64
- Nutrition education: a challenge. Louw LJ. *S Afr Med J* 38:679-80, 22 Aug 64
- Food for thought. Presidential address. Latsky JM. *S Afr Med J* 38:664-8, 22 Aug 64
- The role of the South African fishing industry in feeding the nation. Dreosti GM. *S Afr Med J* 38:631-40, 22 Aug 64
- Proceedings of the Congress of the Nutrition Society of Southern Africa. Opening address. Campbell GG. *S Afr Med J* 38:621-3, 22 Aug 64
- The significance of leaf vegetables, especially of cassava, in tropical nutrition. Terra GJ. *Trop Geogr Med* 16:97-108, Jun 64

## NUTRITION DISORDERS

- Notes on ecologic malnutrition in the New Guinea Highlands. Jelliffe DB, et al. *Clin Pediatr (Phila)* 3:432-8, Jul 64
- The causes and effects of incorrect eating and the value of nutrition guidance. Rautenbach IE. *S Afr Med J* 38:677-8, 22 Aug 64
- Visual aids in a health education campaign against malnutrition. Jacobson Z. *S Afr Med J* 38:681-2, 22 Aug 64
- [Does hunger during infancy inhibit brain growth and development of intelligence?] Harnack GA von. *Deutsch Med Wschr* 89:1957-8, 9 Oct 64 (Ger)

## NUTRITION SURVEYS

- A review of methods used in nutrition surveys conducted by the Interdepartmental Committee on Nutrition for National Defense (ICNND). *Amer J Clin Nutr* 15:29-44, Jul 64
- Annual patterns of family and children's diet in three Guatemalan Indian communities. Flores M, et al. *Brit J Nutr* 18:281-93, 1964
- The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Platt BS, et al. *Brit J Nutr* 18:413-29, 1964
- Cardiovascular disease in the Masai. Mann GV, et al. *J Atheroscler Res* 4:289-312, Jul-Aug 64
- Calorie requirements of adults in the United States. Goldsmith GA. *Southern Med J* 57:1379-80, Nov 64

## NYSTAGMUS

- Some characteristics of voluntary nystagmus. Wist ER, et al. *Arch Ophthalmol* (Chicago) 72:470-5, Oct 64
- Vestibular mechanism, motion sickness, and drug therapy. Experimental and clinical evaluations. Rubin W. *Arch Otolaryng* (Chicago) 80:431-9, Oct 64
- Vector-electro-oculography and its clinical application. Two-dimensional recording of eye movements. Uenoyama K, et al. *Brit J Ophthalmol* 48:318-29, Jun 64
- Anderson-Kestenbaum operation for asymmetrical

- gaze nystagmus. Sternberg-Raáb A. *Brit J Ophthalmol* 47:339-45, Jun 63

## OBESITY

- Fatty acid composition of adipose tissue in normal and abnormal subjects. Herrernan AG. *Amer J Clin Nutr* 15:5-10, Jul 64
- A new approach to overweight. Fellner CH, et al. *Amer J Clin Nutr* 15:50-3, Jul 64
- The body composition of obese subjects. Studies of the effect of weight loss on the fat and lean body mass. Christian JE, et al. *Amer J Clin Nutr* 15:20-8, Jul 64
- Actual and predicted-normal red-cell and plasma volumes in primary and secondary polycythemia. Hume R, et al. *Clin Sci* 26:499-508, Jun 64
- Influence of body composition on adrenal function in obesity. Prezio JA, et al. *J Clin Endocr* 24:481-5, Jun 64
- The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. Fabry P, et al. *Lancet* 2:614-5, 19 Sep 64
- Medical grand rounds from the University of Alabama Medical Center. *Southern Med J* 57:1357-64, Nov 64

## OBSTETRICS

- Resuscitation of newborn. Millar JR. *Brit Med J* 5416:1074-5, 24 Oct 64
- Family planning in London teaching hospitals. Philipp EE. *Brit Med J* 5417:1132, 31 Oct 64

## OBTURATOR NERVE

- Resection of the obturator nerve in the treatment of adductor spasticity in cerebral palsy. Hagberg B, et al. *Acta Orthop Scand* 34:258-70, 1964

## OCCUPATIONAL DERMATITIS

- Chronic paronychia-occupational material. Stone OJ, et al. *Arch Environ Health* (Chicago) 9:585-8, Nov 64

## OCCUPATIONAL DISEASES

- Occupational Raynaud's. II. Further studies of this disorder in uranium mine workers. Ashe WF, et al. *Arch Environ Health* (Chicago) 9:425-33, Oct 64
- Probable berylliosis from beryllium alloys. Lieben J, et al. *Arch Environ Health* (Chicago) 9:473-7, Oct 64
- Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Wuertz RL, et al. *Arch Environ Health* (Chicago) 9:478-91, Oct 64
- Occurrence of poisoning by pesticides. Hayes WJ Jr. *Arch Environ Health* (Chicago) 9:621-5, Nov 64
- Health survey of pest control operators. Stein WJ, et al. *Industr Med Surg* 33:549-55, Aug 64
- Opportunities in environmental and occupational pathology. Kotin P. *Lab Invest* 13:619-23, Jun 64
- Industrial methyl-bromide poisoning in fumigators. A case report and field investigation. Drawneek W, et al. *Lancet* 2:855-6, 17 Oct 64
- Benzene and leukemia. Vigliani EC, et al. *New Eng J Med* 271:872-6, 22 Oct 64
- The aetiology of miliaria. Loewenthal LJ, et al. *S Afr Med J* 38:613-5, 15 Aug 64

## OCCUPATIONAL THERAPY

- Psychiatric work therapy in the Soviet Union. Wortis J, et al. *Amer J Psychiat* 121:123-8, Aug 64

## OCHRONOSIS

- Ochronosis with ruptured lumbar disc: case report. Feild JR, et al. *J Neurosurg* 20:348-51, Apr 63

## OCULOMOTOR MUSCLES

- The intraoperative forced duction test. Report of a case of congenital fibrous bands. Goldstein JH. *Arch Ophthalmol* (Chicago) 72:647-9, Nov 64
- Retinitis pigmentosa. A new therapeutic approach. Agarwal LP, et al. *Brit J Ophthalmol* 47:144-8, Mar 63
- An anterior approach for resection and advancement of the levator. Dalgleish R. *Brit J Ophthalmol* 47:138-43, Mar 63
- Lid retraction in the non-paretic eye in acquired ophthalmoplegia. Jain IS. *Brit J Ophthalmol* 47:757-9, Dec 63
- Relation of macular and other holes to the insertin of the inferior oblique. el Massri A. *Brit J Ophthalmol* 47:90-4, Feb 63
- Progressive muscular dystrophy of the extra-ocular muscles in a Negro. Sevel D. *Brit J Ophthalmol* 48:39-41, Jan 64
- Muscle clamp for use in recession of the inferior oblique. Nutt AB, et al. *Brit J Ophthalmol* 48:54, Jan 64
- Neuro-histological findings in osteopetrosis (Albers-Schönberg disease). Vrabec F, et al. *Brit J Ophthalmol* 48:218-22, Apr 64

## OCULOMOTOR NERVE

- Effect of third cranial nerve on intraocular pressure. Thomas RP. *Arch Ophthalmol* (Chicago) 72:529-34, Oct 64
- Progressive muscular dystrophy of the extra-ocular muscles in a Negro. Sevel D. *Brit J Ophthalmol* 48:39-41, Jan 64
- Neuro-histological findings in osteopetrosis (Albers-Schönberg disease). Vrabec F, et al. *Brit J Ophthalmol* 48:218-22, Apr 64
- Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation. Bernstein PW, et al. *J Neurosurg* 21:687-98, Aug 64

## OCULOMOTOR PARALYSIS

- The intraoperative forced duction test. Report of a case of congenital fibrous bands. Goldstein JH. *Arch Ophthalmol* (Chicago) 72:647-9, Nov 64
- Lid retraction in the non-paretic eye in acquired ophthalmoplegia. Jain IS. *Brit J Ophthalmol* 47:757-9, Dec 63
- Vector-electro-oculography and its clinical application. Two-dimensional recording of eye movements. Uenoyama K, et al. *Brit J Ophthalmol* 48:318-29, Jun 64
- Paralysis of conjugate vertical ocular movements and disturbance of sleep rhythm. Loh RC, et al. *Brit J Ophthalmol* 48:399-401, Jul 64
- Blasovitz operation in a case of Marcus Gunn phenomenon. Malik SR, et al. *Brit J Ophthalmol* 48:173-5, Mar 64
- Progressive muscular dystrophy of the extra-ocular muscles in a Negro. Sevel D. *Brit J Ophthalmol* 48:39-41, Jan 64
- Action of suxamethonium on ptosis due to third-nerve palsy. Marshall M. *Brit Med J* 5417:1116-7, 31 Oct 64

## OILS

- Effect of controlled breakfast on serum cholesterol and triglycerides. Schilling FJ, et al. *Amer J Clin Nutr* 15:1-4, Jul 64
- The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. Moore JH, et al. *Brit J Nutr* 18:431-48, 1964
- To-day's drugs. Agents for lowering serum cholesterol. *Brit Med J* 5418:1181-3, 7 Nov 64
- Adherence of bath oil to keratin. Knox JM, et al. *Brit Med J* 5416:1048-50, 24 Oct 64
- Adjuvants and aspermatogenesis in the guinea pig. Katsh S. *Int Arch Allerg* 24:319-31, 1964
- Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. Carew LB Jr, et al. *J Nutr* 83:300-8, Aug 64
- Effect of corn oil on metabolic efficiency of energy utilization by chicks. Carew LB Jr, et al. *J Nutr* 83:293-9, Aug 64
- Observations on feeding tung oil to chickens. Edwards HM Jr. *J Nutr* 83:365-8, Aug 64
- The edible oilseeds industry of South Africa. Vorster LJ. *S Afr Med J* 38:652-4, 22 Aug 64

## OINTMENTS

- On the sterility of eye ointments. Klein M, et al. *Brit J Ophthalmol* 48:285-7, May 64

## OLEIC ACID

- Adjuvants and aspermatogenesis in the guinea pig. Katsh S. *Int Arch Allerg* 24:319-31, 1964
- The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. *J Biol Chem* 239:1335-45, May 64

## OLIGODENDROMA

- Oligodendroglioma with 35-year survival. Freeman L, et al. *J Neurosurg* 20:363-5, Apr 63

## OLIVARY NUCLEUS

- Click-evoked potential map from the superior olivary nucleus. Biedenbach MA, et al. *Amer J Physiol* 206:1408-14, Jun 64

## OMENTUM

- The abdominal policeman. *Brit Med J* 5415:963-4, 17 Oct 64
- Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. Schumer W, et al. *Surg Forum* 15:76-8, 1964
- Lymph vessels of the greater omentum. A preliminary investigation. Intonti F, et al. *Vasc Dis* 1:203-5, Jul 64

## OPERATING ROOMS

- Isolators. *Brit Med J* 5413:835-6, 3 Oct 64



## OPHTHALMIC ARTERY

- The cilio-retinal arteries. Hayreh SS.  
**Brit J Ophthalmol** 47:71-89, Feb 63
- Ophthalmic arterial pressure and flow during extracorporeal perfusion of carotid of dogs and monkeys. Mahaley MS Jr, et al.  
**J Neurosurg** 20:1080-4, Dec 63
- The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al.  
**Radiology** 83:26-35, Jul 64

## OPHTHALMOLOGY

- Commemorating the AOS centenary.  
**Arch Ophthalmol (Chicago)** 72:295-6, Sep 64
- Contributions of Philipp Syng Physick. (Physick PS), et al.  
**Arch Ophthalmol (Chicago)** 72:725-8, Nov 64
- Helmholtz at Columbia University. (Helmholtz H von), et al.  
**Arch Ophthalmol (Chicago)** 72:573-6, Oct 64
- Focally-illuminated hand magnifier. Hobbs HE.  
**Brit J Ophthalmol** 47:638, Oct 63
- On the sterility of eye ointments. Klein M, et al.  
**Brit J Ophthalmol** 48:285-7, May 64
- Ophthaine (proparacine hydrochloride) a local anaesthetic for ophthalmic surgery. Rycroft PV.  
**Brit J Ophthalmol** 48:102-4, Feb 64
- Corneal trephine. Azeredo A.  
**Brit J Ophthalmol** 48:344, Jun 64
- "Bird-beak" ophthalmic forceps. Dobree JH.  
**Brit J Ophthalmol** 48:53, Jan 64

## OPHTHALMOSCOPY

- Helmholtz at Columbia University. (Helmholtz H von), et al.  
**Arch Ophthalmol (Chicago)** 72:573-6, Oct 64
- Simplified indirect ophthalmoscope. Emarah MH.  
**Brit J Ophthalmol** 48:176-8, Mar 64
- Transillumination of the iris during routine slit-lamp examination. Abrams JD.  
**Brit J Ophthalmol** 48:42-4, Jan 64

## OPTIC ATROPHY

- Pseudo-Aryll Robertson pupils in optic nerve disease. Levatin P, et al.  
**Brit J Ophthalmol** 48:109-13, Feb 64
- The electro-encephalogram in blind children. Jeavons PM.  
**Brit J Ophthalmol** 48:83-101, Feb 64
- Papilloedema, optic atrophy, and blindness due to emphysema and chronic bronchitis. Freedman BJ.  
**Brit J Ophthalmol** 47:290-4, May 63
- Pathology of trabecular nerves in open-angle glaucoma. Wolter JR, et al.  
**Brit J Ophthalmol** 47:1-10, Jan 63
- Marchesani's syndrome. Rahman M, et al.  
**Brit J Ophthalmol** 47:182-3, Mar 63
- Neuro-histological findings in osteopetrosis (Albers-Schönberg disease). Vrabec F, et al.  
**Brit J Ophthalmol** 48:218-22, Apr 64
- [Charcot-Marie amyotrophy associated with a bilateral optic atrophy] Serratrice G, et al.  
**Presse Med** 72:2535-6, 17 Oct 64 (Fr)

## OPTIC NERVE

- Unit activity during polarization of the optic tract and lateral geniculate body. Vastola EF, et al.  
**Amer J Physiol** 206:1401-7, Jun 64
- Neuro-ophthalmology. Hoyt WF.  
**Arch Ophthalmol (Chicago)** 72:679-719, Nov 64
- Electroretinogram and cortical evoked potentials under hypothermia. Wolin LR, et al.  
**Arch Ophthalmol (Chicago)** 72:521-4, Oct 64
- Pathology of trabecular nerves in open-angle glaucoma. Wolter JR, et al.  
**Brit J Ophthalmol** 47:1-10, Jan 63
- Features of a clinically normal optic disc. Ford M, et al.  
**Brit J Ophthalmol** 47:50-2, Jan 63
- Optic nerve compression by an intracranial meningeal tumor. Sanders MD, et al.  
**Brit J Ophthalmol** 48:13-8, Jan 64
- An experimental evaluation of the effect of a plastic adhesive, methyl 2-cyanoacrylate, on neural tissue. Kline DG, et al.  
**J Neurosurg** 20:647-54, Aug 63
- The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al.  
**Radiology** 83:26-35, Jul 64
- [Differential diagnosis of tumors in the area of the sella turcica] Marguth F.  
**Deutsch Med Wschr** 89:1838-45, 25 Sep 64 (Ger)

## OPTIC NEURITIS

- Optic neuritis in measles. Srivastava SP, et al.  
**Brit J Ophthalmol** 47:180-1, Mar 63
- Papillitis complicated by central retinal artery occlusion. Abrams JD.  
**Brit J Ophthalmol** 47:53, Jan 63
- Optic neuritis, papillitis, and neuronal retinopathy. Behrman S.  
**Brit J Ophthalmol** 48:209-17, Apr 64
- Fluoride and optic neuritis. Waldbott GL.  
**Brit Med J** 54:14:945, 10 Oct 64

## ORBIT

- The orbit. Jones IS.  
**Arch Ophthalmol (Chicago)** 72:419-40, Sep 64

- Orbital stenosis as a rare complication of cataract surgery in a case of leontiasis ossea. Czukrasz I.  
**Brit J Ophthalmol** 47:173-6, Mar 63
- Orbital varicocele. Jain BS, et al.  
**Brit J Ophthalmol** 48:232-3, Apr 64
- Chronic granuloma of the orbit caused by grease-gun injury. Dallas NL.  
**Brit J Ophthalmol** 48:158-9, Mar 64

## ORBITAL NEOPLASMS

- Orbital benign haemangio-endothelioma. Mortada A.  
**Brit J Ophthalmol** 47:164-8, Mar 63
- Malignant salivary gland tumours of the nasal sinuses and exophthalmos. Mortada A.  
**Brit J Ophthalmol** 47:279-84, May 63
- Malignant non-chromaffin paraganglioma in the orbit. Nirankari MS, et al.  
**Brit J Ophthalmol** 47:357-63, Jun 63
- Orbital leiomyoma and its origin. Nath K, et al.  
**Brit J Ophthalmol** 47:369-71, Jun 63
- Solitary metastatic orbital tumour due to sympathetic neuroblastoma. Sivaramasubramaniam P.  
**Brit J Ophthalmol** 47:312-3, May 63
- Optic nerve compression by an intracranial meningioma. Sanders MD, et al.  
**Brit J Ophthalmol** 48:13-8, Jan 64
- The role of radiotherapy in the treatment of tumours in children. Pearson D.  
**J Clin Pathol** 17:423-6, Jul 64
- Aspects of orbital disease. Some rare tumors of the orbit. Lambert V.  
**Proc Roy Soc Med** 57:737-8, Aug 64
- Cancer of the nasopharynx. Lederman M.  
**Proc Roy Soc Med** 57:740-2, Aug 64
- The clinical importance of orbital signs in cancer of the paranasal sinuses. Shaw HJ.  
**Proc Roy Soc Med** 57:742-8, Aug 64
- Embryonal sarcomas. Wybar K.  
**Proc Roy Soc Med** 57:738-40, Aug 64
- The ophthalmic arterial complex in angiographic diagnosis. Wheeler EC, et al.  
**Radiology** 83:26-35, Jul 64

## ORCHITIS

- Inflammatory lesions simulating malignancy. Morgan AD.  
**Brit J Urol** 36:Suppl:95-102, Jun 64

## ORGANOIDS

- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P.  
**J Bact** 87:1483-91, Jun 64

## ORNITHINE

- Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Ishai R, et al.  
**J Bact** 87:1436-42, Jun 64

## ORNITHINE CARBAMOYL-TRANSFERASE

- The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. Hawtrey AO, et al.  
**Brit J Cancer** 18:299-308, Jun 64
- Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Ishai R, et al.  
**J Bact** 87:1436-42, Jun 64
- Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. Taylor WH, et al.  
**J Bact** 88:99-104, Jul 64
- Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Ishai R, et al.  
**J Bact** 87:1436-42, Jun 64

## ORNITHOSIS

- Psittacosis complement-fixing antibodies in sera from fauna of the Great Salt Lake Desert of Utah. Sidwell RW, et al.  
**Amer J Trop Med** 13:591-4, Jul 64
- Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. Piraino F, et al.  
**J Bact** 87:1503-11, Jun 64

## OROTIC ACID

- Effect of orotic acid on the metastasis of mammary tumors in mice. Chu EW, et al.  
**Cancer Res** 24:671-3, May 64
- Metabolism of nucleolar ribonucleic acid after partial hepatectomy. Tsukada K, et al.  
**J Biol Chem** 239:1564-8, May 64

## ORPHENADRINE

- Orphenadrine citrate in the treatment of muscular pain. Hoddes SH.  
**Practitioner** 193:76-80, Jul 64

## ORTHOPEDIC EQUIPMENT

- Office measures for relief of the painful foot. Milgram JE.  
**J Bone Joint Surg [Amer]** 46:1095-116, Jul 64

## ORTHOPEDICS

- Staphylococcal wound infection complicating orthopaedic operations. Räf L.  
**Acta Orthop Scand** 34:289-98, 1964

- Surgical treatment of disorders of the fore part of the foot. Thompson C.  
**J Bone Joint Surg [Amer]** 46:1117-28, Jul 64
- The organization of a provincial accident center in the south-western region. Durbin FC.  
**Proc Roy Soc Med** 57:485-92, Jun 64

## OSMOSIS

- Effects of infusion of hypertonic mannitol on electrolyte balance and on osmolality of serum and cerebrospinal fluid. Wise BL.  
**J Neurosurg** 20:961-7, Nov 63
- The counter current system and osmotic diuresis. Lillen OM, et al.  
**J Urol** 92:9-16, Jul 64
- The alterations in glomerular filtration rate, osmolar, and free water clearance during mannitol osmotic diuresis. Murphy GP, et al.  
**J Urol** 92:17-24, Jul 64
- Further data on the frequency of increased erythrocyte osmotic resistance in the Maltese Islands. Vella F.  
**Trop Geogr Med** 16:109-14, Jun 64

## OSSIFICATION, PATHOLOGIC

- Bone formation in abdominal scars after xiphoidectomy. Watkins GL.  
**Arch Surg (Chicago)** 89:731-4, Oct 64

## OSTEITIS DEFORMANS

- Coexisting hyperparathyroidism and Paget's disease. Martin MM, et al.  
**Arch Intern Med (Chicago)** 114:482-6, Oct 64
- Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. Ojemann RG, et al.  
**J Neurosurg** 20:471-3, Jun 63
- [Microradiographic study of bone affected by Paget's disease] Frank RM, et al.  
**Presse Med** 72:2291-4, 23 Sep 64 (Fr)

## OSTEITIS FIBROSA

- Renal glomerular osteodystrophy. Craven JD.  
**Clin Radiol** 15:210-8, Jul 64

## OSTEOARTHRITIS

- Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al.  
**J Bone Joint Surg [Amer]** 46:1049-65, Jul 64
- Hemolytic complement in synovial fluid. Pekin TJ Jr, et al.  
**J Clin Invest** 43:1372-82, Jul 64

## OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC

- Changes in bone associated with cyanotic congenital cardiac disease. Nice CM Jr, et al.  
**Amer Heart J** 68:25-31, Jul 64
- Nasopharyngeal carcinoma. Unusual case reports. Jaffee IS.  
**Arch Otolaryng (Chicago)** 80:450-3, Oct 64

## OSTEOBLASTS

- Bronchial carcinoid with osteoblastic metastases. Cases with carcinoid syndrome. Hyman GA, et al.  
**Arch Intern Med (Chicago)** 114:541-6, Oct 64

## OSTEOCHONDRITIS

- Osteochondral fractures of the lateral femoral condyle. Rosenberg NJ.  
**J Bone Joint Surg [Amer]** 46:1013-26, Jul 64
- [Acute blockage of the spine in the cervical region and its relation to osteochondrosis] Giebel MG, et al.  
**Deutsch Med Wschr** 89:1832-8, 25 Sep 64 (Ger)

## OSTEOGENESIS IMPERFECTA

- Osteogenesis imperfecta. Two cases diagnosed in utero. Unnérus CE.  
**Ann Chir Gynaec Fenn** 53:383-8, 1964

## OSTEOMA

- Osteochondroma of the zygomatic bone. Laws IM.  
**Brit J Plast Surg** 17:303-8, Jul 64

## OSTEOMALACIA

- Role of phosphate in treatment of renal tubular (hypophosphataemic) rickets and osteomalacias. Rose GA.  
**Brit Med J** 54:13:857-61, 3 Oct 64
- Renal glomerular osteodystrophy. Craven JD.  
**Clin Radiol** 15:210-8, Jul 64
- Atypical vitamin-D resistant osteomalacia. Report of a case. Yoshikawa S, et al.  
**J Bone Joint Surg [Amer]** 46:998-1007, Jul 64

## OSTEOMYELITIS

- Hip disarticulation in a patient with hemophilia.



Management with fibrinogen rich in factor 8.  
Albright JA, et al. *JAMA* 190:548-50, 9 Nov 64

## OSTEOPOROSIS

Neuro-histological findings in osteopetrosis  
(Albers-Schonberg disease). Vrabec F, et al.  
*Brit J Ophthalmol* 48:218-22, Apr 64  
Case records of the Massachusetts General Hospital.  
Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64  
Effect of dietary calcium levels on production and reversal of experimental osteoporosis in cats. Jowsey J, et al. *Proc Soc Exp Biol Med* 116:437-41, Jun 64

## OSTEOSCLEROSIS

Renal glomerular osteodystrophy. Craven JD.  
*Clin Radiol* 15:210-8, Jul 64

## OSTEOTOMY

Hip salvage by pelvic support osteotomy. Soren A.  
*Arch Surg (Chicago)* 89:656-62, Oct 64  
Segmental vertebrotoomy. Tsivyan YL.  
*J Int Coll Surg* 42:404-7, Oct 64

## OTITIS MEDIA

The "arrow tube". Lindeman RC, et al.  
*Arch Otolaryng (Chicago)* 80:473, Oct 64  
Clinical pathological conference. The Children's Hospital Medical Center, Boston, Mass. Farber S, et al. *J Pediat* 65:306-10, Aug 64  
The pattern of hearing following acute otitis media. Olmsted RW, et al. *J Pediat* 65:252-5, Aug 64

## OTORHINOLARYNGOLOGY

The "arrow tube". Lindeman RC, et al.  
*Arch Otolaryng (Chicago)* 80:473, Oct 64  
Plastic surgery in otolaryngology. Anderson JR.  
*Arch Otolaryng (Chicago)* 80:365-7, Oct 64

## OTOSCLEROSIS

Radiologic findings in patients with otosclerosis.  
Compere WE Jr. *J Laryng* 78:649-53, Jul 64

## OUABAIN

Effects of ouabain on tissue calcium and calcium exchange in pacemaker of turtle heart. Govier WC, et al. *Amer J Physiol* 207:195-8, Jul 64  
The action of aldosterone and ouabain on the sodium and potassium content of the cortex and papilla of rat kidney in vitro. Platts MM. *Clin Sci* 26:405-14, Jun 64  
The modification of digitalis intoxication by excluding adrenergic influences on the heart. Eriij D, et al. *J Pharmacol Exp Ther* 144:97-103, Apr 64  
Effects of aldosterone, ouabain and deoxycorticosterone on oxygen uptake of isolated cardiac muscle. Levy JV, et al.  
*J Pharmacol Exp Ther* 144:104-9, Apr 64

## OVALBUMIN

Allergic response of retinal vessel 6. After intravitreal foreign protein. Mutlu F, et al.  
*Arch Ophthalmol (Chicago)* 72:513-20, Oct 64  
"Auer colitis" in rabbits induced by intrarectal antigen. Ford H, et al. *Proc Soc Exp Biol Med* 116:745-8, Jul 64  
Passive transfer of delayed hypersensitivity to purified proteins with a cell-free factor. Cleveland JC, et al. *Surg Forum* 15:126-30, 1964

## OVARIAN NEOPLASMS

A spontaneous transplantable ovarian tumour of the CBA mouse. Whiteley HJ, et al.  
*Brit J Cancer* 18:252-4, Jun 64  
An unusual cause of renal colic in a pseudohermaphrodite. Zielinski J, et al.  
*Brit J Urol* 36:254-6, Jun 64  
Treatment of neoplastic effusions with chlorambucil. Zelenik JS, et al. *Obstet Gynec* 23:703-7, May 64  
The use of endoxan in the treatment of cancer. A reply by Noristan Laboratories (PTY.) LTD. and Asta-Werke A.G. *S Afr Med J* 38:Suppl:1-6, 15 Aug 64  
Internal fluid shifts secondary to intraperitoneal nitrogen mustard. Brown FE, et al.  
*Surg Forum* 15:386-7, 1964  
[Palliative treatment of cancers with thio-TEPA. Study of 115 cases. Value in breast cancers] Lagarde C, et al. *Presse Med* 72:2285-90, 23 Sep 64 (Fr)  
[Ovarian insufficiency. Clinical features, therapy and prognosis] Staemmler HJ.  
*Deutsch Med Wschr* 89:1925-32, 9 Oct 64 (Ger)  
[The cultivation of human cancer tissue in tissue culture and determination of its sensitivity towards new cytostatics] Limburg H, et al.  
*Deutsch Med Wschr* 89:1938-46, 9 Oct 64 (Ger)

## OVARY

Some aspects of steroid biosynthesis in human ovarian tissue. Forleo R, et al.  
*Acta Endocr (Kobenhavn)* 48:265-78, Jun 64  
Effects of rhinencephalic lesions on endocrine and somatic development in the rat. Kling A.  
*Amer J Physiol* 208:1395-400, Jun 64  
Preservation of volatile anesthetics in blood and tissue. Lowe HJ. *Anesthesiology* 25:566-8, Jul-Aug 64  
Diagnostic ovarian stimulation with heterologous gonadotrophin. Shearman RP.  
*Brit Med J* 5417:1115-6, 31 Oct 64  
Metabolism of 4-14C-progesterone by human fetal testis and ovaries. Bloch E.  
*Endocrinology* 74:833-45, Jun 64  
Steroid biosynthesis in the fetal ovary. Roberts JD, et al. *Endocrinology* 74:846-52, Jun 64  
Electrophoretic separation of hydrolytic enzymes of the female rat reproductive tract. Robboy SJ, et al. *Endocrinology* 75:97-103, Jul 64  
Influence of hypothyroidism and chorionic gonadotrophin on ovarian collagen in the rat. Adams WC, et al. *Endocrinology* 75:138-9, Jul 64  
Light-dark periodicity and the Rhesus-monkey menstrual cycle. Erikson LE.  
*Fertil Steril* 15:352-66, Jul-Aug 64  
Radiation sensitivity of the mouse ovary: fertility and oocyte survival. Peters H, et al.  
*Fertil Steril* 15:407-18, Jul-Aug 64  
Effect of progesterone and oxytocin on the pituitary-ovarian relationship in heifers. Labhsetwar AP, et al. *J Reprod Fertil* 8:77-83, Aug 64  
Some pituitary-ovarian relationships in the periparturient cow. Labhsetwar AP, et al.  
*J Reprod Fertil* 8:85-90, Aug 64  
Seasonal changes in the occurrence of oestrus following progesterone suppression of ovarian function in the merino ewe. Lamond DR.  
*J Reprod Fertil* 8:101-14, Aug 64  
Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. Prunty FT, et al. *Proc Roy Soc Med* 57:529-32, Jun 64  
[Ovarian insufficiency. Clinical features, therapy and prognosis] Staemmler HJ.  
*Deutsch Med Wschr* 89:1925-32, 9 Oct 64 (Ger)

## OVIDUCTS

Electrophoretic separation of hydrolytic enzymes of the female rat reproductive tract. Robboy SJ, et al. *Endocrinology* 75:97-103, Jul 64  
Distribution of spermatozoa in the oviduct and fertility in domestic birds. I. Residence sites of spermatozoa in fowl oviducts. Bobr LW, et al.  
*J Reprod Fertil* 8:39-47, Aug 64  
Distribution of spermatozoa in the oviduct and fertility in domestic birds. II. Transport of spermatozoa in the fowl oviduct. Bobr LW, et al.  
*J Reprod Fertil* 8:49-58, Aug 64  
Protein components of oviduct fluid in the primate. Marcus SL. *Surg Forum* 15:381-3, 1964

## OVULATION

Diagnostic ovarian stimulation with heterologous gonadotrophin. Shearman RP.  
*Brit Med J* 5417:1115-6, 31 Oct 64  
Serotonin suppression of luteinization in gonadotrophin-treated, immature rats. O'Steen WK.  
*Endocrinology* 74:885-8, Jun 64  
Follicular fluid electrolytes in ovulation. Rondell PA.  
*Proc Soc Exp Biol Med* 116:336-9, Jun 64

## OVUM

Sewage treatment and schistosoma eggs. Rowan WB.  
*Amer J Trop Med* 13:572-6, Jul 64  
Radiation sensitivity of the mouse ovary: fertility and oocyte survival. Peters H, et al.  
*Fertil Steril* 15:407-18, Jul-Aug 64  
Corona cell dispersing properties of rabbit tubal fluid. Mastroianni LJ Jr, et al. *J Reprod Fertil* 8:145-7, Aug 64  
Effects of intra- and inter-specific social stimulation on implantation in deer mice. Bronson FH, et al.  
*J Reprod Fertil* 8:22-7, Aug 64  
Prevention of delayed implantation in rats by means of an intrauterine foreign body. Kar AB, et al.  
*J Reprod Fertil* 8:139-40, Aug 64  
An abnormal *Schistosoma masoni* egg. Bruijning CF.  
*Trop Geogr Med* 16:164-6, Jun 64

## OXALATES

Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64  
The excretion of oxalic acid following deoxyypyridoxine and tryptophan administration in mongoloid and nonmongoloid subjects. McCoy EE, et al.  
*J Pediat* 65:208-14, Aug 64

## OXAZOLES

Distribution of 5,5-dimethyl-2,4-oxazolidinedione (DMO) between plasma and erythrocytes. Sanslone WR, et al. *Proc Soc Exp Biol Med* 116:582-5, Jul 64

## OXIDATION-REDUCTION

Oxidative inactivation of different types of enterovirus. Lund E. *Amer J Hyg* 80:1-10, Jul 64  
Dependency of *Treponema microdentium* on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. Socransky SS, et al. *J Bact* 88:200-9, Jul 64  
Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity. Correa PR, et al. *Metabolism* 13:496-8, Jun 64

## OXIDOREDUCTASES

The treatment of cerebral atherosclerosis with Vasolastine (a preliminary report). Mawdesley-Thomas LE, et al.  
*Brit J Clin Pract* 18:405-7, Jul 64  
Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64  
Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64  
Studies on folic reductase. I. Levels in regenerating rat liver and the effect of methotrexate administration. Ngu VA, et al. *Cancer Res* 24:989-93, Jul 64  
Enzymes of the pyrimidine pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. Taylor WH, et al. *J Bact* 88:105-10, Jul 64  
Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. Taylor WH, et al. *J Bact* 88:99-104, Jul 64  
Respiratory pathways in the *Mycoplasma*. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64  
Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. Taylor WH, et al. *J Bact* 88:99-104, Jul 64  
Enzymes of the pyrimidine pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. Taylor WH, et al. *J Bact* 88:105-10, Jul 64  
Respiratory pathways in the *Mycoplasma*. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64  
The intermediary role of delta-5,7-cholestadien-3-beta-ol in cholesterol biosynthesis. Dempsey ME, et al.  
*J Biol Chem* 239:1361-7, May 64  
The absorption spectra of iron-flavoproteins. Rajagopalan KV, et al. *J Biol Chem* 239:1509-14, May 64  
Enzymes and drug sensitivity. Drug and enzyme interactions in porphyrias. Rimington C.  
*Proc Roy Soc Med* 57:511-4, Jun 64  
Delta 4-reductase and sulfokinase activities of rat and sheep liver preparations. Ellis LC, et al.  
*Proc Soc Exp Biol Med* 116:617-21, Jul 64

## OXIMETRY

Venous oxygenation and circulatory responses to oxygen inhalation in acute anemia. Murray JF. *Amer J Physiol* 207:228-34, Jul 64  
Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. Huggins CE, et al.  
*Dis Chest* 48:42-5, Jul 64  
Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. MacKenzie GJ, et al. *Lancet* 2:825-32, 17 Oct 64  
Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Burton GW, et al. *Lancet* 2:782-5, 10 Oct 64  
Tissue oxygen tension in pedicle flaps, local hypertrophy, and thermal burns. Pollock WJ, et al. *Surg Forum* 15:471-2, 1964

## OXYGEN

Venous oxygenation and circulatory responses to oxygen inhalation in acute anemia. Murray JF. *Amer J Physiol* 207:228-34, Jul 64  
Changes in shunt flow, compliance, and volume of lungs during apneic oxygenation. Anthonisen NR. *Amer J Physiol* 207:235-8, Jul 64  
Rate of sickling of red cells during deoxygenation of blood from persons with various sickling disorders. Charache S, et al. *Blood* 24:25-48, Jul 64  
Blood-gas transfer, hemolysis, and diffusing capacity in a bubble tonometer. Ravin MB, et al.  
*J Appl Physiol* 19:784-90, Jul 64  
Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. Jacobs NJ, et al. *J Bact* 87:1406-11, Jun 64



Anaerobic growth of *Fusarium oxysporum*. Gunner HB, et al. *J Bact* 87:1309-16, Jun 64  
 Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. Bornside GH, et al. *J Bact* 87:1443-51, Jun 64  
 Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. Jacobs NJ, et al. *J Bact* 87:1406-11, Jun 64  
 Anaerobic growth of *Fusarium oxysporum*. Gunner HB, et al. *J Bact* 87:1309-16, Jun 64  
 Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. Bornside GH, et al. *J Bact* 87:1443-51, Jun 64  
 Nitrogen excretion by newborn infants during oxygen breathing. Nelson NM, et al.  
*J Pediatr* 65:299-300, Aug 64  
 Role of oxygen in development of pulmonary hypertension. Liddle HV. *Surg Forum* 15:186-8, 1964

## OXYGEN INHALATION THERAPY

Controlled oxygen therapy in respiratory failure. Hutchison DC, et al. *Brit Med J* 5418:1159-66, 7 Nov 64  
 Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. MacKenzie GJ, et al. *Lancet* 2:825-32, 17 Oct 64

## OXYTOCIN

Effect of intra-amniotic administration of progesterone and 6-methyl-17-acetoxy-progesterone on oxytocin-induced labour in rabbits. Fuchs AR. *Acta Endoc (Kobenhavn)* 46:235-44, Jun 64  
 Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al.  
*Amer J Physiol* 208:1196-200, Jun 64  
 Ruptured uterus after buccal oxytocin. Nicholson HO. *Brit Med J* 5413:876-7, 3 Oct 64  
 Ruptured uterus after buccal oxytocin. Chalmers JA, et al. *Brit Med J* 5418:1070, 24 Oct 64  
 Buccal oxytocin. *Brit Med J* 5417:1133-4, 31 Oct 64  
 The obstetrician bids, and the uterus contracts. Moir JC. *Brit Med J* 5416:1025-9, 24 Oct 64  
 Buccal oxytocin. *Brit Med J* 5417:1133-4, 31 Oct 64  
 Buccal oxytocin. Best FA. *Brit Med J* 5414:942, 10 Oct 64  
 A comparison of the responses to l-sparteine and oxytocin in isolated human uterine muscles. Rosenblum I, et al.  
*J Pharmacol Exp Ther* 144:138-41, Apr 64  
 Effect of progesterone and oxytocin on the pituitary-ovarian relationship in heifers. Labhsetwar AP, et al. *J Reprod Fertil* 8:77-83, Aug 64  
 Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. Cort JH, et al.  
*Lancet* 2:840-1, 17 Oct 64  
 Prolonged pregnancy associated with increase in serum oxytocinase. Lambrinopoulos TC.  
*Obstet Gynec* 23:780-2, May 64  
 Water retention due to oxytocin. Potter RR.  
*Obstet Gynec* 23:699-700, May 64

## OZONE

Effect of low concentrations of ozone on pulmonary function in man. Young WA, et al.  
*J Appl Physiol* 19:765-8, Jul 64  
 [Inactivation by ozone of the poliovirus present in water] Coin L, et al. *Presse Med* 72:2153-6, 12 Sep 64 (Fr)

## PACEMAKER, ARTIFICIAL

Observations in patients with implanted pacemaker. 3. Frequency of ventricular tachycardia as cause of Adams-Stokes attacks and rate of pacing required for its prevention. Dressler W.  
*Amer Heart J* 68:19-24, Jul 64  
 Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. Mouloupoulos S, et al.  
*New Eng J Med* 271:895-7, 22 Oct 64  
 Implantable pacemaker for infants and children. Mansfield PB, et al. *Surg Forum* 15:246-7, 1964  
 Motion factors producing breaks in implanted cardiac pacemaker leads. Furman S, et al.  
*Surg Forum* 15:248-9, 1964  
 [A new implantable stimulator: Nathan's synchronous "pacemaker"] Falvre G, et al.  
*Presse Med* 72:2141-2, 12 Sep 64 (Fr)  
 [Delivery in a patient with artificial pacemaker in the heart] Büchner C, et al.  
*Deutsch Med Wschr* 89:1932-3, 9 Oct 64 (Ger)

## PAGET'S DISEASE,

## EXTRA-MAMMARY

Paget's disease of the vulva associated with an unusual bladder tumour. Kay JM, et al.  
*Brit J Cancer* 18:233-7, Jun 64

## PAIN

Pain following E.C.T. modified by muscle relaxants. Devine R, et al. *Brit Med J* 5416:1046-8, 24 Oct 64  
 Sedentary leg-pain: ischaemia from narrowing on hip flexion of femoral arteries stiffened by atheroma. Rudolf ND, et al. *Brit Med J* 5413:863, 3 Oct 64  
 The use of mepergan for relief of pain in gynecologic tumor patients. Ullery JC, et al.  
*Curr Ther Res* 6:385-6, May 64  
 Office measures for relief of the painful foot. Milgram JE. *J Bone Joint Surg [Amer]* 46:1095-116, Jul 64  
 Some thoughts on pain localization. Klingon GH.  
*J Int Coll Surg* 42:396-403, Oct 64  
 Comments on the use of intraspinal phenol-pantopaque for relief of pain and spasticity. Lourie H, et al.  
*J Neurosurg* 20:80-3, Jan 63  
 Percutaneous interruption of spinal-pain tracts by means of a strontium90 needle. Mullan S, et al.  
*J Neurosurg* 20:931-9, Nov 63  
 Orphenadrine citrate in the treatment of muscular pain. Hoddes SH. *Practitioner* 193:76-80, Jul 64

## PALMITIC ACID

Carnitine effects on palmitate-I-C-14 conversion to CO<sub>2</sub> and glycerides by various tissues. Fritz IB.  
*Amer J Physiol* 206:1217-22, Jun 64  
 Turnover rate and oxidation of different free fatty acids in man during exercise. Havel RJ, et al.  
*J Appl Physiol* 19:613-8, Jul 64  
 Origin of palmitic acid carbon in palmitates formed from hexadecane-1-C-14 and tetradecane-1-C-14 by *Micrococcus cerificans*. Finnerty WR, et al.  
*J Biol Chem* 239:1261-5, Jun 64  
 The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. Bressler R, et al. *J Biol Chem* 239:1364-8, May 64  
 The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al.  
*J Biol Chem* 239:1335-45, May 64  
 Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. Brodie JD, et al.  
*J Biol Chem* 239:1346-56, May 64  
 Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. Schapiro RH, et al. *J Clin Invest* 43:1338-47, Jul 64

## PANCOAST'S SYNDROME

Superior pulmonary sulcus tumor with classical Pancoast syndrome: case report. Mihaly JP, et al.  
*J Amer Geriatr Soc* 12:800-6, Aug 64

## PANCREAS

The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. *Amer J Path* 44:921-30, Jun 64  
 Action of insulin upon blood glucose levels of fasted hypophysectomized, depancreatized and normal chickens. Kolke TI, et al.  
*Endocrinology* 74:944-8, Jun 64  
 Use of liver adenylyl cyclase for assay of glucagon in human gastro-intestinal tract and pancreas. Makman MH, et al. *Endocrinology* 75:127-34, Jul 64  
 A technic for operative correction of pancreatic fistula. Antilla LE. *J Int Coll Surg* 42:379-81, Oct 64  
 Determination of organ volumes by scintillation scanning. Spencer RP. *J Nucl Med* 5:444-52, Jun 64  
 Effect of tolbutamide in clearing induced alimentary lipaemia after alcoholic hepatopancreatic damage. Gebble T, et al. *Lancet* 2:661-3, 20 Sep 64  
 Abdominal surgery. Welch CE.  
*New Eng J Med* 271:943-8 concl, 29 Oct 64  
 A new method for the roentgenologic opacification of the pancreas. Kisseler B, et al.  
*Radiology* 83:6-11, Jul 64  
 Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. Wilson SD, et al. *Surg Forum* 15:365-7, 1964

## PANCREATIC CYST

A technic for operative correction of pancreatic fistula. Antilla LE. *J Int Coll Surg* 42:379-81, Oct 64

## PANCREATIC CYSTIC FIBROSIS

Salt taste thresholds and cystic fibrosis. Wotman S, et al. *Amer J Dis Child* 108:372-4, Oct 64  
 Albumin metabolism in cystic fibrosis. Pittman FE, et al. *Amer J Dis Child* 108:360-5, Oct 64  
 Management of complicated meconium ileus. Hill JT, et al. *Amer J Surg* 108:233-8, Aug 64  
 Intestinal obstruction in mucoviscidosis. Cohen D.  
*Aust New Zeal J Surg* 34:47-9, Aug 64  
 A mucolytic agent. Acetylcysteine (Mucomyst). *JAMA* 190:147-8, 12 Oct 64  
 Disaccharide intolerance and mucoviscidosis. Desai HG. *Lancet* 2:645-6, 19 Sep 64  
 Disaccharide intolerance and mucoviscidosis. Nordio S, et al. *Lancet* 2:819, 10 Oct 64

## PANCREATIC DUCTS

Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN.  
*Amer J Path* 44:973-81, Jun 64  
 Antral and pancreatic stimulation of gastric hypersecretion. Westerheide RL, et al.  
*Surg Forum* 15:369-71, 1964  
 Histamine metabolism in pancreatic-induced hypersecretion. Howe CT, et al.  
*Surg Forum* 15:367-9, 1964  
 Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. Wilson SD, et al. *Surg Forum* 15:365-7, 1964

## PANCREATIC EXTRACTS

A pepsin pancreatin digest index of protein quality evaluation. Akeson WR, et al. *J Nutr* 83:257-61, Jul 64  
 Collagenolytic activity of mammalian pancreas. Houck JC, et al. *Proc Soc Exp Biol Med* 116:382-5, Jun 64  
 Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. Wilson SD, et al. *Surg Forum* 15:365-7, 1964

## PANCREATIC FISTULA

A technic for operative correction of pancreatic fistula. Antilla LE. *J Int Coll Surg* 42:379-81, Oct 64

## PANCREATIC NEOPLASMS

Paper chromatographic studies of the three serum bile pigments. Politte LL, et al.  
*Amer J Clin Path* 42:22-32, Jul 64  
 Psychiatric manifestations of carcinoma of the pancreas. Perlas AP, et al.  
*Amer J Psychiat* 121:182, Aug 64  
 Surgical consideration in the management of ulcerogenic tumors of the pancreas and duodenum. Oberhelman HA Jr, et al.  
*Amer J Surg* 108:132-41, Aug 64  
 Pigmentation and Cushing's syndrome due to malignant tumor of the pancreas. Hallwright GP, et al. *J Clin Endoc* 24:496-500, Jun 64  
 Pancreatic adenoma with intractable diarrhea, hypokalemia, and hypercalcemia. Brown CH, et al. *JAMA* 190:30-4, 5 Oct 64  
 Ulcerogenic tumor of the pancreas. Zollinger RM, et al. *JAMA* 190:181-4, 19 Sep 64

## PANCREATITIS

Results of surgery in the treatment of stenosis of the sphincter of Oddi. Autio V, et al.  
*Ann Chir Gynaec Fenn* 53:328-37, 1964  
 Spontaneous biliary peritonitis. Dhar AK.  
*Brit Med J* 5418:1198, 7 Nov 64  
 Problem of the detection of pancreatitis. Gambill EE. *JAMA* 190:537-8, 9 Nov 64  
 Chronic diarrhoea and the pancreas. Hillman HS. *Med J Aust* 2:296-8, 22 Aug 64  
 Effect of ethionine-induced pancreatic damage on intestinal enzyme activity of the rat. Libre EP, et al. *Proc Soc Exp Biol Med* 116:452-4, Jun 64  
 Early experience with trasylol in the treatment of acute pancreatitis. Nugent FW, et al.  
*Southern Med J* 57:1317-21, Nov 64  
 Pancreatitis in the isolated perfused pancreas. Greep JM, et al. *Surg Forum* 15:68-9, 1964

## PAPAVERINE

Factors influencing renal blood flow during isolated perfusion. Belzer FO, et al. *Surg Forum* 15:222-4, 1964

## PAPILLEDEMA

Papilloedema, optic atrophy, and blindness due to emphysema and chronic bronchitis. Freedman BJ. *Brit J Ophthalm* 47:290-4, May 63  
 Mechanism of production of papilloedema. Primrose J. *Brit J Ophthalm* 48:19-29, Jan 64  
 Papillitis complicated by central retinal artery occlusion. Abrams JD. *Brit J Ophthalm* 47:53, Jan 63  
 Pseudotumor cerebri in children secondary to administration of adrenal steroids. Cohn GA. *J Neurosurg* 20:784-6, Sep 63  
 Malignant hypertension. Harrington M. *Practitioner* 193:35-42, Jul 64

## PAPILLOMA

Correlation of immunofluorescence and infectivity in the developing bovine cutaneous papilloma. Smithies LK, et al. *Cancer Res* 24:874-81, May 64  
 Isolation of *Borrelia reifrigens* in pure culture from patients with condylomata acuminata. Hanson AW, et al. *J Bact* 88:111-3, Jul 64  
 Intraspinal epidermoids: report of two cases. Higazi I. *J Neurosurg* 20:805-8, Sep 63



## PARABIOSIS

Abolition of autoregulation of renal blood flow by acetylcholine. Nahmod VE, et al.  
*Amer J Physiol* 207:123-7, Jul 64  
 Amyloidosis in parabiotic mice. Williams G.  
*J Path Bact* 88:35-41, Jul 64

## PARAFFIN

Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al.  
*Cancer Res* 24:582-5, May 64  
 Adjuvants and aspermatogenesis in the guinea pig. Kaish S. *Int Arch Allerg* 24:319-31, 1964

PARAGANGLIOMA,  
NONCHROMAFFIN

Malignant non-chromaffin paraganglioma in the orbit. Nirankari MS, et al. *Brit J Ophthal* 47:357-63, Jun 63  
 A retroperitoneal tumour of the chemodectoma type. Harcourt-Webster JN. *J Clin Path* 17:444-7, Jul 64

## PARAGONIMUS

Effects of blithionol against *Paragonimus kellicotti* in rats. Waitz JA, et al. *Amer J Trop Med* 13:584-8, Jul 64

## PARA-INFLUENZA VIRUSES

Isolation of bovine parainfluenza-3 virus in chick embryos. Marshall RG. *J Bact* 88:267-8, Jul 64

## PARALDEHYDE

Paraldehyde in the treatment of eclampsia. Williams B. *J Obstet Gynaec Brit Comm* 71:621-3, Aug 64

## PARALYSIS

Contribution of muscle spindle circuits to learning as suggested by training under flaxedil. Buchwald JS, et al. *Electroenceph Clin Neurophysiol* 18:582-94, Jun 64  
 Hypokalemic paralysis induced by amphotericin B. McChesney JA, et al. *JAMA* 189:1029-31, 28 Sep 64  
 Page-turner for patients with paralysed hands. Russell WR, et al. *Lancet* 2:893-4, 24 Oct 64  
 Isolated anadosteronism. I. Clinical entity, with manifestations of persistent hyperkalemia, periodic paralysis, salt-losing tendency, and acidosis. Posner JB, et al. *Metabolism* 13:513-21, Jun 64  
 Restoration of function of paralyzed hand. Entin MA. *Surg Clin N Amer* 44:1049-59, Aug 64  
 [Muscle-tendon transplantations for paralysis of the upper extremity] Iselin F.  
*Presse Med* 72:2339-42, 26 Sep 64 (Fr)

## PARALYSIS AGITANS

Physiological identification of the thalamic nucleus. Yoshida M, et al.  
*Arch Neurol (Chicago)* 11:435-43, Oct 64  
 Ventrolateral and subventrolateral thalamic stimulation. Motor effects. Ohye C, et al.  
*Arch Neurol (Chicago)* 11:427-34, Oct 64  
 Subthalamotomy in treatment of parkinsonian tremor. Andy OJ, et al. *J Neurosurg* 20:860-70, Oct 63  
 Camptomy in various extrapyramidal disorders. Spiegel EA, et al. *J Neurosurg* 20:871-84, Oct 63  
 Confusion and disturbance of speech from stimulation in vicinity of the head of the caudate nucleus. Van Buren JM. *J Neurosurg* 20:148-57, Feb 63  
 Chronic subdural hematoma presenting a parkinsonian syndrome. Samiy E. *J Neurosurg* 20:903, Oct 63  
 Electrocardiographic alterations observed during fractional pneumoencephalography. Davie JC.  
*J Neurosurg* 20:321-8, Apr 63  
 Quantitative criteria for the neurosurgical treatment of parkinsonism. Brumlik J, et al.  
*J Neurosurg* 20:21-33, Jan 63  
 Thalamic inhibition of the myotatic reflex in man. Ward AA Jr, et al. *J Neurosurg* 20:1033-9, Dec 63  
 The relationship of the alpha and gamma motor systems to the efficacy of the surgical therapy of parkinsonism. Stern J, et al.  
*J Neurosurg* 20:185-7, Mar 63  
 An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. *Proc Roy Soc Med* 57:758-62, Aug 64  
 [CB-8089 (benzperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagon C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)  
 [Present status of the treatment of Parkinson's disease] Auquier L, et al.  
*Presse Med* 72:2531-4, 17 Oct 64 (Fr)

## PARALYSIS, FAMILIAL PERIODIC

The periodic paralyses: differential features and pathological observations in permanent myopathic weakness. Pearson CM. *Brain* 87:341-54, Jun 64

## PARALYSIS, SPASTIC

The interplay between cerebral hemispheres and cerebellum in relation to tonus and movements. Schneider RC, et al. *J Neurosurg* 20:188-98, Mar 63  
 Comments on the use of intraspinal phenol-pantopaque for relief of pain and spasticity. Lourie H, et al. *J Neurosurg* 20:60-3, Jan 63  
 The peripheral surgery of spasticity. Sharrard WJ. *Proc Roy Soc Med* 57:724-5, Aug 64  
 The medical treatment of spasticity. Maher RM. *Proc Roy Soc Med* 57:720-3, Aug 64  
 The nature and management of spasticity. The pathophysiology of spasticity. Rushworth G. *Proc Roy Soc Med* 57:715-20, Aug 64  
 Orthopedic reconstructive procedures in the lower extremity in adults with acquired spastic paralysis. Haslam ET, et al. *Southern Med J* 57:1322-5, Nov 64

## PARAMECIUM

On the association between photodynamic and carcinogenic activities in polycyclic compounds. Epstein SS, et al. *Cancer Res* 24:855-62, Jun 64

## PARANASAL SINUS NEOPLASMS

Malignant salivary gland tumours of the nasal sinuses and exophthalmos. Mortada A.  
*Brit J Ophthal* 47:279-84, May 63  
 The clinical importance of orbital signs in cancer of the paranasal sinuses. Shaw HJ.  
*Proc Roy Soc Med* 57:742-8, Aug 64

## PARANOIA

Space impostor: an unusual clinical case. Wittenberg BH, et al. *Amer J Psychiat* 121:160-6, Aug 64  
 [CB-8089 (benzperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagon C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)

## PARAPLEGIA

Resection of the obturator nerve in the treatment of adductor spasticity in cerebral palsy. Hagberg B, et al. *Acta Orthop Scand* 34:258-70, 1964  
 Energy cost of ambulation in the traumatic paraplegic. Clinkingbeard JR, et al.  
*Amer J Phys Med* 43:157-65, Aug 64  
 Further experience with the radio transmitter receiver unit for the neurogenic bladder. Bradley WE, et al. *J Neurosurg* 20:953-60, Nov 63  
 Paraparesis with incontinence of bowel and bladder. A syndrome of bilateral subdural hematomas. Bortnick RJ, et al. *J Neurosurg* 20:352-3, Apr 63  
 Percutaneous interruption of spinal-pain tracts by means of a strontium-90 needle. Mullan S, et al. *J Neurosurg* 20:931-9, Nov 63  
 Paraplegia from compression caused by sacular aortic aneurysm with recovery. Davie JC.  
*J Neurosurg* 20:1005-8, Nov 63  
 Thoracic spine fracture with paralysis. Aufranc OE, et al. *JAMA* 189:1018-21, 28 Sep 64  
 The medical treatment of spasticity. Maher RM. *Proc Roy Soc Med* 57:720-3, Aug 64

## PARASITIC DISEASES

Porocephalus armillatus larvae presenting in the eye. Reid AM, et al. *Brit J Ophthal* 47:169-72, Mar 63

PARASYMPATHETIC NERVOUS  
SYSTEM

Return of neural responses after autotransplantation of the heart. Willman VL, et al.  
*Amer J Physiol* 207:187-9, Jul 64  
 Current developments in ophthalmology. The ocular effects of autonomic surgery. Golding-Wood PH. *Proc Roy Soc Med* 57:494-7, Jun 64

## PARASYMPATHOLYTICS

[Preliminary clinical trials of Ro 4-61-61 in gastroenterology and proctology] Pradel E. *Presse Med* 72:2113-4, 29 Aug 64 (Fr)

## PARASYMPATHOMIMETICS

Comparison between pilocarpine and echthiophate for chronic simple glaucoma. A comparison between 4 per cent pilocarpine and 0.06 per cent echthiophate iodine in the diurnal management of chronic simple glaucoma. Pratt-Johnson JA, et al.  
*Arch Ophthal (Chicago)* 72:485-8, Oct 64

## PARATHION

Organophosphorus insecticides in Colorado. Holmes JH. *Arch Environ Health (Chicago)* 9:445-53, Oct 64

## PARATHYROID GLANDS

The effect of a high phosphorus intake on total and ultrafiltrable plasma calcium and on phosphate clearance. Smith DA, et al. *Clin Sci* 26:479-86, Jun 64  
 Calcium or phosphate? *Lancet* 2:895-6, 24 Oct 64  
 Amino acid transport by rat parathyroid glands in vivo: effect of low calcium diet. Williams GA, et al. *Proc Soc Exp Biol Med* 116:651-3, Jul 64  
 Deficiency of effective histocompatibility antigens in pituitary and parathyroid tissue. Gittes RF, et al. *Surg Forum* 15:164-6, 1964

## PARATHYROID HORMONE

Parathyroid hormone and phosphate homeostasis in man. Halden A, et al.  
*Acta Endocr (Copenhagen)* 46:285-91, Jun 64  
 Parathyroid origin of calcitonin-evidence from perfusion of sheep glands. Copp DH, et al. *Endocrinology* 75:49-55, Jul 64  
 Parathormone-induced osteolysis in dogs. A microradiographic and alphasradiographic survey. Bélanger LF, et al.  
*J Bone Joint Surg [Amer]* 46:1008-12, Jul 64  
 Calcium or phosphate? *Lancet* 2:895-6, 24 Oct 64  
 Effect of parathyroid hormone on mucopolysaccharide synthesis in rachitic rat cartilage in vitro. Guri CD, et al. *Proc Soc Exp Biol Med* 116:702-5, Jul 64  
 Calcification of the ovarian follicle in rats. Grob HS, et al. *Proc Soc Exp Biol Med* 116:766-8, Jul 64  
 Effects of parathyroid extract, calciferol, hytakerol and crystalline dihydrotachysterol on feed consumption in normal lactating rats. Djojoseobagio S, et al. *Proc Soc Exp Biol Med* 116:646-8, Jul 64

## PARATHYROID NEOPLASMS

Management of the parathyroid crisis. Henley RB. *Amer J Surg* 108:183-90, Aug 64  
 Parathyroid scanning with selenium-75 labelled methionine. DiGiulino W, et al.  
*J Nucl Med* 5:417-27, Jun 64  
 Pancreatic adenoma with intractable diarrhea, hypokalemia, and hypercalcemia. Brown CH, et al. *JAMA* 190:30-4, 5 Oct 64

## PARATUBERCULOSIS

Mycobacterial disease in man and animals. Johnes's disease in domestic and experimental animals. Chandler RL. *Proc Roy Soc Med* 57:481-2, Jun 64

## PARATYPHOID FEVERS

Immunization against typhoid and paratyphoid fevers. Ashcroft MT. *Clin Pediat (Phila)* 3:385-93, Jul 64

## PARESIS

[CB-8089 (benzperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagon C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)

## PARESTHESIA

Neuromyopathy associated with a malignant carcinoid tumor. A case report. Green D, et al.  
*Arch Intern Med (Chicago)* 114:494-6, Oct 64

## PARGYLINE

A comparison of pargyline and tranlycypromine with and without the addition of trifluoperazine: a double-blind study. Sharpley P, et al.  
*Curr Ther Res* 6:344-52, May 64  
 Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI.  
*JAMA* 190:456-62, 2 Nov 64

## PARIETAL BONE

The vacuum extractor--experimental demonstration of distortion of the foetal skull. Awon MP.  
*J Obstet Gynaec Brit Comm* 71:634-6, Aug 64

## PARIETAL LOBE

Mental and seizure manifestations in relation to brain tumors. A statistical study. Güvener A, et al. *Epilepsia (Amst)* 5:166-76, Jun 64

## PARONYCHIA

Paronychia due to an enchondroma. Shelley WB, et al. *Arch Derm (Chicago)* 90:412-3, Oct 64  
 Chronic paronychia--occupational material. Stone OJ, et al. *Arch Environ Health (Chicago)* 9:585-8, Nov 64

## PAROTID GLAND

Enlargement of parotid gland due to sarcoidosis. Greenberg G, et al. *Brit Med J* 5413:861-2, 3 Oct 64



Facial palsy in Heerfordt's syndrome. Lambert V, et al.  
*J Laryng* 78:684-93, Jul 64

## PAROTID NEOPLASMS

Characterization by immunofluorescence of an ACTH-like substance in nonpituitary tumors from patients with hyperadrenocorticism. Jarett L, et al.  
*J Clin Endocr* 24:543-9, Jun 64  
The genesis of adenolymphoma. Azzopardi JG, et al.  
*J Path Bact* 88:213-8, Jul 64

## PAROTITIS

Postoperative suppurative parotitis. Lary BG.  
*Arch Surg (Chicago)* 89:653-5, Oct 64

## PATHOLOGY

Permanent plastic mounts of nervous tissue after differential gross staining. Waters ES.  
*Amer J Clin Path* 42:114-7, Jul 64  
Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. Browne HG, et al. *Amer J Trop Med* 13:558-71, Jul 64  
The effects of anoxia on the newborn and adult rat lung. Seller MJ, et al. *J Path Bact* 88:309-11, Jul 64  
Research training in pathology. Powell CC.  
*Lab Invest* 13:717-21, Jun 64  
Financial support for research facilities and resources. Stone FL. *Lab Invest* 13:730-4, Jun 64  
Analysis of the research training program. Zimmerman HM. *Lab Invest* 13:694-700, Jun 64  
Analysis of research grants in pathology. Stowell RE. *Lab Invest* 13:701-13, Jun 64  
Research in pathology: United States Public Health Service Research Grants. Confrey EA.  
*Lab Invest* 13:722-9, Jun 64  
Sources of support of research and training in pathology. Stowell RE. *Lab Invest* 13:714-6, Jun 64  
The expanding view of pathology. Moritz AR.  
*Lab Invest* 13:597-601, Jun 64  
Biophysics and biochemistry education for research in pathology. Carter JR. *Lab Invest* 13:613-8, Jun 64  
Immunology is pathology. Dixon FJ.  
*Lab Invest* 13:610-2, Jun 64  
Physiology in pathology. Hartroft WS.  
*Lab Invest* 13:602-9, Jun 64  
Recruitment in pathology. Kinney TD.  
*Lab Invest* 13:624-33, Jun 64  
The Ph.D.-M.D. pattern of training for academic pathology. Wissler RW. *Lab Invest* 13:670-7, Jun 64  
Careers in neuropathology. Wolfe A.  
*Lab Invest* 13:652-7, Jun 64  
Opportunities in forensic pathology. Fisher RS.  
*Lab Invest* 13:647-52, Jun 64  
Opportunities in environmental and occupational pathology. Kotin P. *Lab Invest* 13:619-23, Jun 64  
The Ph.D. degree in pathology without the M.D. degree. Majno G. *Lab Invest* 13:678-82, Jun 64  
A genetical approach to the study of disease. Graham JB. *Lab Invest* 13:663-9, Jun 64  
Careers in pharmaceutical and toxicologic pathology. Culbertson CG. *Lab Invest* 13:658-62, Jun 64  
Panel discussion. The need for staff and facilities to develop the research potential in pathology. Madden SC, et al. *Lab Invest* 13:683-93, Jun 64  
Expanding career opportunities for pathologists trained in research. Brinkhous KM.  
*Lab Invest* 13:640-6, Jun 64

## PATHOLOGY, SURGICAL

Samuel D. Gross (1805-1884)--surgical pathologist. (Gross SD). *JAMA* 189:1024-5, 28 Sep 64

## PATHOLOGY, VETERINARY

Lower animals, spontaneous disease, and man. Leader RW. *Arch Path (Chicago)* 78:390-404, Oct 64

## PATIENTS

Hospital noise and the patient. Burger JG.  
*S Afr Med J* 38:704-7, 29 Aug 64

## PEANUTS

Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. Horn MJ, et al. *J Nutr* 83:267-72, Jul 64  
Acute liver injury in ducklings as a result of aflatoxin poisoning. Butler WH. *J Path Bact* 88:189-96, Jul 64  
Peanut flour in haemophilia. Mainwaring D, et al. *Lancet* 2:647, 19 Sep 64  
The edible oilseeds industry of South Africa. Vorster LJ. *S Afr Med J* 38:652-4, 22 Aug 64

## PECTINS

Lipolytic, pectolytic, and alginolytic activities of Enterobacteriaceae. Davis BR, et al.  
*J Bact* 88:16-9, Jul 64

## PECTORALIS MUSCLES

Roentgen diagnosis of congenital absence of pectoralis muscles. Stein HL. *Radiology* 83:63-6, Jul 64

## PEDIATRICS

Urgency as a factor in clinic attendance. Ambuel JP, et al. *Amer J Dis Child* 108:394-8, Oct 64  
Corticosterone half-life in children. Hughes ER, et al. *Amer J Dis Child* 108:366-71, Oct 64  
Child care in general practice. The paediatric consultation. MacKeith R.  
*Brit Med J* 5418:1179-81, 7 Nov 64  
Management of the child with a fatal disease. Clin Pediat (Phila) 3:418-27, Jul 64

## PELLAGRA

Multiple deficiency state associated with isoniazid therapy. Aspinall DL. *Brit Med J* 5418:1177-8, 7 Nov 64

## PELVIC BONES

Coexisting hyperparathyroidism and Paget's disease. Martin MM, et al.  
*Arch Intern Med (Chicago)* 114:482-6, Oct 64  
Hip salvage by pelvic support osteotomy. Soren A. *Arch Surg (Chicago)* 89:656-62, Oct 64  
Changes in red cell mass after pelvic fracture. Zeidman H, et al. *Arch Surg (Chicago)* 89:596-601, Oct 64  
Naegele pelvis. A study of 17 cases. Chan DP, et al. *J Obstet Gynaec Brit Comm* 71:464-8, Jun 64  
The Hong Kong Chinese female bony pelvis and its influence on labour. A radiographic and clinical study of 1,005 women. Chun D, et al.  
*J Obstet Gynaec Brit Comm* 71:556-64, Aug 64

## PELVIC NEOPLASMS

Infusion therapy for pelvic trophoblastic tumours. Bagshawe KD, et al.  
*J Obstet Gynaec Brit Comm* 71:565-70, Aug 64  
Pelvic angiography in the diagnosis of malignant trophoblastic disease. Hendrickse JP de, et al.  
*New Eng J Med* 271:859-66, 22 Oct 64

## PELVIMETRY

Orthodiagraphic pelvimetry with special reference to capacity of distal part of pelvis and pelvic outlet. Borell U, et al.  
*Acta Radiol [Diagn] (Stockholm)* 2:273-82, Jul 64

## PELVIS

Effect of cytologic program on pelvic examinations. Dubin IN, et al.  
*Arch Environ Health (Chicago)* 9:514-20, Oct 64  
Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs. Zimkind PD, et al.  
*Surg Forum* 15:496-7, 1964

## PENICILLAMINE

Endogenous copper clearance in Wilson's disease: a study of the mode of action of penicillamine. Walshe JM. *Clin Sci* 26:461-9, Jun 64  
Evaluation of intradermal skin tests in penicillin hypersensitivity. Budd MA, et al.  
*JAMA* 190:203-5, 19 Sep 64

## PENICILLIN

Mycotic corneal ulcers. Agarwal LP, et al.  
*Brit J Ophthalmol* 47:109-15, Feb 63  
New penicilline. Hale LJ, et al.  
*Brit Med J* 5414:940, 10 Oct 64  
New penicilline. Warren GH.  
*Brit Med J* 5414:940-1, 10 Oct 64  
Elimination of penicillin resistance of *Staphylococcus aureus* by treatment with acriflavine. Hashimoto H, et al. *J Bact* 88:261-2, Jul 64  
Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. Piraino F, et al.  
*J Bact* 87:1503-11, Jun 64  
Fine structure of *Brucella suis* spheroplasts. Hines WD, et al. *J Bact* 87:1492-8, Jun 64  
Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. Piraino F, et al.  
*J Bact* 87:1503-11, Jun 64  
Fine structure of *Brucella suis* spheroplasts. Hines WD, et al. *J Bact* 87:1492-8, Jun 64  
Elimination of penicillin resistance of *Staphylococcus aureus* by treatment with acriflavine. Hashimoto H, et al. *J Bact* 88:261-2, Jul 64  
Cerebral deposition of drugs at low temperatures. Baldwin M, et al. *J Neurosurg* 20:637-46, Aug 63

A teratoma of the placenta. Fox H, et al.  
*J Path Bact* 88:137-40, Jul 64  
An evaluation of cephalosporin derivatives in vitro and in experimental infections. Frost BM, et al.  
*J Path Bact* 88:125-36, Jul 64  
Production of a polysaccharide by *Staphylococcus aureus*. 3. Action of penicillins and polysaccharides on enzymic lysis. Warren GH, et al.  
*Proc Soc Exp Biol Med* 116:317-23, Jun 64  
[The behavior of eosinophilic granulocytes in the peripheral blood during therapy with procaine penicillin] Greuter W, et al.  
*Int Arch Allerg* 24:Suppl:50-1, 1964 (Ger)

## PENICILLIN G

New penicilline. Hale LJ, et al.  
*Brit Med J* 5414:940, 10 Oct 64  
An evaluation of cephalosporin derivatives in vitro and in experimental infections. Frost BM, et al.  
*J Path Bact* 88:125-36, Jul 64  
Evaluation of intradermal skin tests in penicillin hypersensitivity. Budd MA, et al.  
*JAMA* 190:203-5, 19 Sep 64  
Measurement of steroid-induced hepatic functional derangement with the ammonia tolerance test. Anderson MC, et al. *Surg Forum* 15:103-5, 1964

## PENICILLIN G, BENZATHINE

Evaluation of intradermal skin tests in penicillin hypersensitivity. Budd MA, et al.  
*JAMA* 190:203-5, 19 Sep 64

## PENICILLIN G, PROCAINE

Methicillin tolerance after penicillin G anaphylaxis. Luton EF. *JAMA* 190:39-40, 5 Oct 64

## PENICILLIN, PHENOXYMETHYL

Herpes zoster ophthalmicus in an 8-year-old child. Birks DA. *Brit J Ophthalmol* 47:60-1, Jan 63

## PENICILLIN TOXICOLOGY

Simultaneous allergic (anaphylactic) and embolic-toxic reactions by accidental intravascular injection of procaine-penicillin. Hoigné R, et al.  
*Int Arch Allerg* 24:Suppl:48-9, 1964  
Evaluation of intradermal skin tests in penicillin hypersensitivity. Budd MA, et al.  
*JAMA* 190:203-5, 19 Sep 64  
Methicillin tolerance after penicillin G anaphylaxis. Luton EF. *JAMA* 190:39-40, 5 Oct 64  
Fever with penicillin. Ellis JG.  
*New Eng J Med* 271:965, 29 Oct 64

## PENICILLIUM

Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in *Penicillium atrovirens*. Gottlieb D, et al.  
*J Bact* 88:114-21, Jul 64

## PENIS

One-stage primary reconstruction of the cervical oesophagus by means of a free tubular graft of penile skin. Kaplan I, et al. *Brit J Plast Surg* 17:314-9, Jul 64  
An in vitro effect of insulin on the preputial gland. Freinkel RK. *Proc Soc Exp Biol Med* 116:680-2, Jul 64

## PENTAERYTHRITOL TETRANITRATE

Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. Schumer W, et al. *Surg Forum* 15:76-8, 1964

## PENTOBARBITAL

Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al.  
*Amer J Physiol* 206:1201-6, Jun 64  
Mercaptomerin effect on p-aminohippurate transport in man and pentobarbitalized dog. Letteri JM, et al.  
*Amer J Physiol* 206:1379-83, Jun 64  
Effects of amphetamine, chlorpromazine, pentobarbital, and ethanol on operant response duration. Weiss B, et al.  
*J Pharmacol Exp Ther* 144:17-23, Apr 64

## PENTYLENETETRAZOLE

Effect of anoxic-ischemic procedure on experimental epilepsy in the rat. Payan H, et al.  
*Proc Soc Exp Biol Med* 116:454-6, Jun 64

## PEPSIN

Chromatographic separation of pepsins from human gastric juice. Seijffers MJ, et al.  
*Amer J Physiol* 207:8-12, Jul 64  
Spontaneous nocturnal gastric secretion--acid, pepsin.



- In patients with or without duodenal ulcer. Sebus J, et al. *Arch Surg (Chicago)* 89:709-15, Oct 64
- Fragmentation of bovine serum albumin by pepsin. I. The origin of the acid expansion of the albumin molecule. Weber G, et al. *J Biol Chem* 239:1415-23, May 64
- Fragmentation of bovine serum albumin by pepsin. II. Isolation, amino acid composition, and physical properties of the fragments. Weber G, et al. *J Biol Chem* 239:1424-31, May 64
- A pepsin pancreatin digest index of protein quality evaluation. Akeson WR, et al. *J Nutr* 83:257-61, Jul 64
- Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64

## PEPTIC ULCER

- Ulcerogenic tumor of the pancreas. Zollinger RM, et al. *JAMA* 190:181-4, 19 Sep 64
- Factors affecting the mortality from peptic ulcer. The bleeding ulcer and ulcer in the aged. Brooks JR, et al. *New Eng J Med* 271:803-9, 15 Oct 64
- Abdominal surgery. Welch CE. *New Eng J Med* 271:829-33 contd, 15 Oct 64
- Gastroduodenal congestion and histamine provoked ulcers. Gliedman ML, et al. *Surg Forum* 15:314-5, 1964
- [On the ulcer in liver cirrhosis] Schreiber HW, et al. *Deutsch Med Wschr* 89:1787-9, 18 Sep 64 (Ger)

## PEPTIC ULCER HEMORRHAGE

- Distal antrectomy with vagectomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. Palumbo LT, et al. *Arch Surg (Chicago)* 89:637-44, Oct 64
- Experience with local gastric cooling. Cushman WF, et al. *Arch Surg (Chicago)* 89:719-24, Oct 64
- Local hypothermia for hematemesis in a hemophiliac. Liffmann KE, et al. *JAMA* 190:553-4, 9 Nov 64
- Factors affecting the mortality from peptic ulcer. The bleeding ulcer and ulcer in the aged. Brooks JR, et al. *New Eng J Med* 271:803-9, 15 Oct 64
- [On the ulcer in liver cirrhosis] Schreiber HW, et al. *Deutsch Med Wschr* 89:1787-9, 18 Sep 64 (Ger)

## PEPTIC ULCER PERFORATION

- Oesophago-bronchial fistula complicating hiatal hernia. McConchie I. *Aust New Zeal J Surg* 34:54-8, Aug 64

## PEPTIDE HYDROLASES

- Conditions of reactivation of arthus-type inflammation by thiol compounds. Hayashi H, et al. *Proc Soc Exp Biol Med* 116:417-20, Jun 64
- Effect of proteolytic enzymes from carica papaya on induced edema in dog ureters. Logan DJ, et al. *Surg Forum* 15:481-2, 1964

## PEPTIDE PEPTIDOHYDROLASES

- A renin-like enzyme in normal human urine. Brown JJ, et al. *Lancet* 2:709-11, 3 Oct 64
- Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64

## PEPTIDES

- Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64
- Biosynthesis of mycobacillin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al. *J Bact* 87:1402-5, Jun 64
- Biosynthesis of mycobacillin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64
- Sorption of hydrogen chloride and trifluoroacetic acid on poly-L-valine and poly-L-leucine. Brandt WW, et al. *J Biol Chem* 239:1442-6, May 64
- Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. Cort JH, et al. *Lancet* 2:840-1, 17 Oct 64
- Carnosine excretion in juvenile amaurotic idiocy. Levenson J, et al. *Lancet* 2:756-7, 3 Oct 64
- Reduction of gamma globulin with long-acting thyroid-stimulating activity. Dorrington KJ, et al. *Lancet* 2:889-91, 24 Oct 64
- Excretion of 1- and 3-methylhistidine by human subjects after oral administration of L-histidine. Block WD, et al. *Proc Soc Exp Biol Med* 116:736-8, Jul 64
- [Mechanical aspects of ventilation in anaphylactic shock in rabbits] Troquet J. *Int Arch Allerg* 24:356-72, 1964 (Fr)

## PEPTONES

- Fate of the mesosomes of *Bacillus megaterium* during protoplasting. Fitz-James P. *J Bact* 87:1483-91, Jun 64

## PERCUSSION

- Joseph Skoda (1805-1881)--Physical diagnostician. *JAMA* 190:240, 19 Sep 64

## PERFUME

- Evolution of cosmetics. Jerome JB. *J Int Coll Surg* 42:444-50, Oct 64

## PERFUSION

- Infusion chemotherapy for abdominal malignancies. Methodology and preliminary report. Nora PF, et al. *Arch Surg (Chicago)* 89:735-40, Oct 64
- Isolated perfused bovine liver: responses to common vasoactive drugs. Condon RE, et al. *Arch Surg (Chicago)* 89:602-8, Oct 64
- The effect of total body perfusion on digitalis tolerance. Tassopoulos NM, et al. *Dis Chest* 46:130-7, Aug 64
- Experimental production of cerebral hypothermia by ventricular perfusion techniques. Costal M, et al. *J Neurosurg* 20:112-7, Feb 63
- A low-efficiency disposable heat exchanger. Williams B, et al. *Lancet* 2:736-7, 3 Oct 64
- Function of the ex-vivo pig liver perfused with human blood. Liem DS, et al. *Surg Forum* 15:90-1, 1964
- Oxygen consumption during total perfusion with diluted blood at normal and hypothermic temperatures. Ikeda S, et al. *Surg Forum* 15:212-3, 1964
- Use of hydrogen peroxide as a source of oxygenation in the perfusion of isolated organs. Dritsas C, et al. *Surg Forum* 15:275-7, 1964
- Coronary artery perfusion. Winfrey EW 3d, et al. *Surg Forum* 15:271-2, 1964
- Factors influencing renal blood flow during isolated perfusion. Belzer FO, et al. *Surg Forum* 15:222-4, 1964

## PERIARTERITIS NODOSA

- Gastrointestinal complications of collagen diseases. Surgical implications. Couris GD, et al. *Arch Surg (Chicago)* 89:695-700, Oct 64

## PERICARDITIS

- The second heart sound in biventricular failure due to African cardiomyopathy. Reid JV. *Amer Heart J* 68:38-40, Jul 64
- The cardiovascular manifestations of systemic lupus erythematosus. Hejtmanek MR, et al. *Amer Heart J* 68:119-30, Jul 64
- Surgical treatment of recurrent idiopathic pericarditis. Jamplis RW. *Amer J Surg* 108:191-7, Aug 64
- Chronic effusive pericarditis. Bedford DE. *Brit Heart J* 26:499-512, Jul 64
- The racial incidence of the less common forms of heart disease at Groote Schuur Hospital, Cape Town, 1952-61. Schrire V. *S Afr Med J* 58:598-601, 15 Aug 64
- Cardiopulmonary manifestations of rheumatoid disease in childhood. Jordan JD. *Southern Med J* 57:1273-7, Nov 64

## PERICARDIUM

- Anti-heart antibodies in the postpericardiotomy and the postmyocardial-infarction syndromes. Geld H van der. *Lancet* 2:617-21, 19 Sep 64

## PERIODIC ACIDS

- Structural studies on the myo-inositol mannodides from the glycolipids of *Mycobacterium tuberculosis* and *Mycobacterium phlei*. Lee YC, et al. *J Biol Chem* 239:1316-27, May 64

## PERIODIC DISEASE

- Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. Wilson H, et al. *Acta Endocr (Copenhagen)* 48:197-206, Jun 64
- Amyloid. II. Starch gel electrophoretic analysis of some proteins extracted from amyloid. Benditt EP, et al. *Arch Path (Chicago)* 78:325-30, Oct 64
- Perplexities of a periodic entity. Reimann HA. *JAMA* 190:241, 19 Sep 64
- Glutamic oxalacetic transaminase isoenzymes in human myopathies. Kar NC, et al. *Proc Soc Exp Biol Med* 116:733-5, Jul 64

## PERIODICALS

- An account of the history of the journal *Anesthesiology*. Cullen SC. *Anesthesiology* 25:416-27, Jul-Aug 64

## PERIODICITY

- Variation in arterial pressure throughout the day and night. Richardson DW, et al. *Clin Sci* 26:445-60, Jun 64
- Light-dark periodicity and the Rhesus-monkey

- menstrual cycle. Erikson LE. *Fertil Steril* 15:352-66, Jul-Aug 64

## PERIPHERAL NERVE DISEASES

- Neuro-ophthalmology. Hoyt WF. *Arch Ophthal (Chicago)* 72:679-719, Nov 64
- Living without a balancing mechanism. Crawford J. *Brit J Ophthal* 48:357-60, Jul 64
- Multiple deficiency state associated with isoniazid therapy. Aspinall DL. *Brit Med J* 5418:1177-8, 7 Nov 64
- Neuropathy in hemophilia. Silverstein A. *JAMA* 190:554-5, 9 Nov 64
- Subclinical polyneuropathy in renal insufficiency. Preswick G, et al. *Lancet* 2:731-2, 3 Oct 64
- Evaluation and management of nerve injuries in the hand. Moberg E. *Surg Clin N Amer* 44:1019-29, Aug 64
- Neurosurgical disorders affecting the hand. Feindel W. *Surg Clin N Amer* 44:1031-6, Aug 64

## PERIPHERAL NERVES

- Muscle excitability in experimental crossed nerve anastomosis in the rat. Koczocik-Przedpelska J. *Amer J Phys Med* 43:146-56, Aug 64
- Nerve regeneration in replanted canine limbs. Mayer RF, et al. *Amer J Physiol* 206:1415-21, Jun 64
- An experimental evaluation of the effect of a plastic adhesive, methyl 2-cyanoacrylate, on neural tissue. Kline DG, et al. *J Neurosurg* 20:647-54, Aug 63
- Electrophysiological study of regenerating peripheral nerve. Relationship of size of fibers and rate of growth. Jenkins DW, et al. *J Neurosurg* 20:344-7, Apr 63
- Further observations of trigeminal antidromic potentials: possible physiological function of sensory antidromic potentials. Alvarez-Carregal E, et al. *J Neurosurg* 20:277-88, Apr 63

## PERITONEAL CAVITY

- Use and abuse of intraperitoneal drains in colon surgery. Berliner SD, et al. *Arch Surg (Chicago)* 89:686-9, Oct 64
- Peritoneal lavage for generalized peritonitis. Case TC. *J Amer Geriatr Soc* 12:694-700, Jul 64
- Volume changes of dialysate during peritoneal lavage as determined by means of radioactive isotopes. Abdel Razzak M, et al. *J Nucl Med* 5:480-3, Jun 64
- The effect of various anti-inflammatory drugs on the accumulation of leucocytes in the peritoneal cavity of mice. Northover BJ. *J Path Bact* 88:332-5, Jul 64
- Alkylating agents and iodophor compounds for the prevention of local recurrence of cancer. Vernick JJ, et al. *Surg Forum* 15:336-8, 1964
- Dynamics of blood, lymph, and ascitic fluid interchange. Adams JT, et al. *Surg Forum* 15:110-1, 1964
- Biological cutaneous-peritoneal conduits for intermittent peritoneal dialysis. Inouye WY, et al. *Surg Forum* 15:490-2, 1964

## PERITONEAL DISEASES

- Protection of mice by interferon against systemic virus infections. Finter NB. *Brit Med J* 5415:981-5, 17 Oct 64

## PERITONEAL NEOPLASMS

- Destruction of malignant cells in peritoneal cavity. Experimental use of a chemotherapeutic agent. McKibbin B. *Arch Surg (Chicago)* 89:691-4, Oct 64

## PERITONEUM

- Volume changes of dialysate during peritoneal lavage as determined by means of radioactive isotopes. Abdel Razzak M, et al. *J Nucl Med* 5:480-3, Jun 64

## PERITONITIS

- Management of complicated meconium ileus. Hill JT, et al. *Amer J Surg* 108:233-8, Aug 64
- Intestinal obstruction in mucoviscidosis. Cohen D. *Aust New Zeal J Surg* 34:47-9, Aug 64
- Spontaneous biliary peritonitis. Dhar AK. *Brit Med J* 5418:1198, 7 Nov 64
- Peritoneal lavage for generalized peritonitis. Case TC. *J Amer Geriatr Soc* 12:694-700, Jul 64
- The effect of various anti-inflammatory drugs on the accumulation of leucocytes in the peritoneal cavity of mice. Northover BJ. *J Path Bact* 88:332-5, Jul 64
- Abdominal surgery. Welch CE. *New Eng J Med* 271:943-8 concl, 29 Oct 64

## PERMEABILITY

- Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. Beppu M, et al. *J Bact* 88:151-7, Jul 64



## PEROXIDES

Effects of in vivo hyperoxia on erythrocytes. 1. Hemolysis in mice exposed to hyperbaric oxygenation. Mengel CE, et al. *Proc Soc Exp Biol Med* 116:259-61, Jun 64

## PERPHENAZINE

Further report on protein-bound iodine in patients receiving perphenazine. Oltman JE, et al. *Amer J Psychiat* 121:176-8, Aug 64  
Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. *Curr Ther Res* 8:331-9, May 64  
An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. *Proc Roy Soc Med* 57:758-62, Aug 64

## PERSANTIN

Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. Bunag RD, et al. *Circ Res* 15:83-8, Jul 64

## PESTICIDES

Safe use of pesticides in food production. Smith RB Jr. *Arch Environ Health (Chicago)* 9:634-8, Nov 64  
Diagnosis and treatment of pesticide poisoning. Zaven MR. *Arch Environ Health (Chicago)* 9:615-20, Nov 64  
Pesticides as contaminants. West I. *Arch Environ Health (Chicago)* 9:626-33, Nov 64  
Occurrence of poisoning by pesticides. Hayes WJ Jr. *Arch Environ Health (Chicago)* 9:621-5, Nov 64  
Regulating distribution and use of pesticides. Brinkley PC. *Arch Environ Health (Chicago)* 9:639-42, Nov 64  
Health survey of pest control operators. Stein WJ, et al. *Industr Med Surg* 33:549-55, Aug 64  
Safe use of pesticides. *JAMA* 190:466, 2 Nov 64  
AMA congress on environmental health problems. *Public Health Rep* 79:889-94, Oct 64

## PETROLATUM, LIQUID

Adherence of bath oil to keratin. Knox JM, et al. *Brit Med J* 5418:1048-50, 24 Oct 64

## PHAGOCYTOSIS

Phagocytosis in vivo of heterologous red cells in mice with transplanted tumors. Stern K. *Cancer Res* 24:1063-9, Jul 64  
The phagocytic activity of polymorphonuclear leukocytes obtained from patients with diabetes mellitus. Bybee JD, et al. *J Lab Clin Med* 64:1-13, Jul 64  
Electron-microscope observations on the phagocytosis of neutrophil polymorphonuclear leukocytes by macrophages. Brewer DB. *J Path Bact* 88:307-9, Jul 64  
Effect of phenoxylbenzamine on phagocytic activity and shock mortality in the rat. Filkins JP, et al. *Proc Soc Exp Biol Med* 116:757-62, Jul 64  
Effect of protein nutrition on leukocyte mobilization. Gray I. *Proc Soc Exp Biol Med* 116:414-6, Jun 64

## PHARMACY

Careers in pharmaceutical and toxicologic pathology. Culbertson CG. *Lab Invest* 13:658-62, Jun 64

## PHARYNGEAL NEOPLASMS

One-stage primary reconstruction of the cervical oesophagus by means of a free tubular graft of penile skin. Kaplan I, et al. *Brit J Plast Surg* 17:314-9, Jul 64  
Treatment of post-cricoid carcinoma by combined intravaginal and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64  
Treatment of post-cricoid carcinoma by combined intravaginal and external irradiation. Dalby JE. *Clin Radiol* 15:251-5, Jul 64

## PHARYNGITIS

An unsuccessful trial on production of parasitic pharyngitis (halzoun) in human volunteers. Azar JE. *Amer J Trop Med* 13:582-3, Jul 64  
A pilot study of acute respiratory illnesses on a college campus. Kapikian AZ, et al. *Amer Rev Resp Dis* 90:175-82, Aug 64  
Clinico-histological study of chronic pharyngeal symptoms. Rulon JT, et al. *Ann Otol* 73:501-27, Jun 64

## PHARYNX

A newly identified oral mycoplasma (*M. orale*) and its relationship to other human mycoplasmas. Taylor-Robinson D, et al. *Amer J Hyg* 80:135-48, Jul 64  
Clinico-histological study of chronic pharyngeal symptoms. Rulon JT, et al. *Ann Otol* 73:501-27, Jun 64  
Retropharyngeal hemorrhage from the carotid arteries. Weaver DF, et al. *Ann Otol* 73:541-54, Jun 64  
Pharyngeal implants for reduction of air space in

velopharyngeal insufficiency. I. An experimental study. Ward PH, et al. *Ann Otol* 73:443-57, Jun 64  
Experiences with partial laryngopharyngectomy. Skolnik EM, et al. *Ann Otol* 73:417-25, Jun 64  
Lipidproteinosis (Urbach-Wiethe syndrome). Hewson GE. *Brit J Ophthalmol* 47:242-5, Apr 63  
Observations on symptomatic localization of pharyngeal foreign bodies. Yorston RA. *Brit Med J* 5415:992, 17 Oct 64

## PHENACETIN

Analgesic abuse and the kidney--a commentary. *JAMA* 190:238-9, 10 Sep 64  
Hepatocellular lipofuscin after excessive ingestion of analgesics. Abrahams C, et al. *Lancet* 2:621-2, 19 Sep 64

## PHENANTHROLINES

The lactic dehydrogenases of yeast. V. Chemical properties and function of the zinc component of D-lactic cytochrome reductase. Cremona T, et al. *J Biol Chem* 239:1466-73, May 64

## PHENAZOCINE

Cataract extraction under combined local and general analgesia using phenazocine. Cashell GT, et al. *Brit J Ophthalmol* 48:139-42, Mar 64

## PHENELZINE

Fatal hyperpyrexia with phenelzine and imipramine. Stanley B, et al. *Brit Med J* 5415:1011, 17 Oct 64  
Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI. *JAMA* 190:456-62, 2 Nov 64  
Enzymes and drug sensitivity. Acetylation polymorphisms. Evans DA. *Proc Roy Soc Med* 57:508-11, Jun 64

## PHENFORMIN

Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity. Correa PR, et al. *Metabolism* 13:496-8, Jun 64

## PHENINDIONE

An assessment of long-term anticoagulant administration after cardiac infarction. Second report of the Working Party on Anticoagulant Therapy in Coronary Thrombosis to the Medical Research Council. *Brit Med J* 5413:837-43, 3 Oct 64  
Cancer incidence and mortality in patients having anticoagulant therapy. Michaels L. *Lancet* 2:832-5, 17 Oct 64  
Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred. O'Reilly RA, et al. *New Eng J Med* 271:809-15, 15 Oct 64  
[Anuria caused by acute interstitial nephropathy in the course of prolonged phenindione treatment] Rapin M, et al. *Presse Med* 72:2279-84, 23 Sep 64 (Fr)

## PHENIPRAZINE

The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64  
Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI. *JAMA* 190:456-62, 2 Nov 64

## PHENOBARBITAL

Experimental subcortical epileptiform focus. Guerrero-Figueroa R, et al. *Epilepsia (Amst)* 5:112-30, Jun 64  
The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64

## PHENOLPHTHALEINS

Efflux of organic acids from rabbit kidney cortex. Desopoulos A, et al. *Amer J Physiol* 207:118-22, Jul 64

## PHENOLS

Effect of tobacco smoke solutions on *Paramecium*. Weiss W, et al. *Arch Environ Health (Chicago)* 9:500-4, Oct 64  
Comments on the use of intraspinal phenol-pantopaque for relief of pain and spasticity. Lourie H, et al. *J Neurosurg* 20:60-3, Jan 63  
An experimental evaluation of the effects of subarachnoid injection of phenol-pantopaque in cats: a histological study. Stewart WA, et al. *J Neurosurg* 20:64-72, Jan 63  
Action of phenol on spinal nerve-roots. *Lancet* 2:896-7, 24 Oct 64  
Some aspects of metabolism of thyroxine and of

analogues devoid of the phenolic group. Barker SB, et al. *Mayo Clin Proc* 39:609-25, Aug 64  
The medical treatment of spasticity. Maher RM. *Proc Roy Soc Med* 57:720-3, Aug 64

## PHENOTHIAZINES

Neurological symptoms with phenothiazines. Bockner S. *Brit Med J* 5413:876, 3 Oct 64

## PHENOXYBENZAMINE

Alteration of vascular responses to endotoxin by adrenergic blockade. Brake CM, et al. *Amer J Physiol* 207:149-51, Jul 64  
Guanethidine and phenoxybenzamine in atopic dermatitis. A clinical trial. Verma BS, et al. *Arch Derm (Chicago)* 90:414-7, Oct 64  
Isolated perfused bovine liver: responses to common vasoactive drugs. Condon RE, et al. *Arch Surg (Chicago)* 89:602-8, Oct 64  
The management of experimental endotoxin shock. The circulatory effects of levarterenol, hydrocortisone, phenoxybenzamine hydrochloride, and blood volume expansion. Smith LL, et al. *Arch Surg (Chicago)* 89:630-8, Oct 64  
Observations on adrenaline-induced fibrinolysis in man. Tanser AR, et al. *Clin Sci* 26:375-80, Jun 64  
Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. Pardo EG, et al. *J Pharmacol Exp Ther* 144:124-30, Apr 64  
The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64  
Effect of phenoxybenzamine on phagocytic activity and shock mortality in the rat. Filkins JP, et al. *Proc Soc Exp Biol Med* 116:757-62, Jul 64  
Influence of autonomic blockade on aconitine induced pulmonary edema. Wood CD, et al. *Proc Soc Exp Biol Med* 116:809-11, Jul 64  
Metabolic responses to various vasoactive and cardiotonic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964  
Combined use of norepinephrine and dibenzylamine in clinical shock. Wilson RF, et al. *Surg Forum* 15:30-1, 1964  
Protective effect of adenosine triphosphate in experimental hemorrhagic shock. Sharma GP, et al. *Surg Forum* 15:27-9, 1964

## PHENTOLAMINE

Influence of autonomic blockade on aconitine induced pulmonary edema. Wood CD, et al. *Proc Soc Exp Biol Med* 116:809-11, Jul 64

## PHENYLALANINE

Studies on tyrosinosis: 1, effect of low-tyrosine and low-phenylalanine diet. Halvorsen S, et al. *Brit Med J* 5418:1171-3, 7 Nov 64  
Metabolism of nucleolar ribonucleic acid after partial hepatectomy. Tsukada K, et al. *J Biol Chem* 239:1564-8, May 64  
Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relations between isoleucine and leucine for growth. Chance RE, et al. *J Nutr* 83:177-85, Jul 64  
Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64  
Phenylalanine requirements with different levels of tyrosine. Burrill LM, et al. *J Nutr* 83:202-8, Jul 64  
Effect of dietary phenylalanine on activity of phenylalanine hydroxylase from rat liver. Woods MN, et al. *Proc Soc Exp Biol Med* 116:427-30, Jun 64

## PHENYLBUTAZONE

Leukaemia and phenylbutazone. Chatterjee JB. *Brit Med J* 5413:876, 3 Oct 64

## PHENYLEPHRINE

Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64  
Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al. *Amer J Physiol* 206:1201-6, Jun 64  
A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al. *Proc Soc Exp Biol Med* 116:331-3, Jun 64

## PHENYLETHYLAMINES

Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. Raynor RB, et al. *J Neurosurg* 20:94-6, Feb 63  
Cinephotomicrographic studies of the pial vasculature in the monkey and cat. Scratch GP, et al. *Surg Forum* 15:409-10, 1964



## PHEOCHROMOCYTOMA

False positive reaction due to methocarbamol in the screening test for vanilmandelic acid (VMA). Campbell DJ, et al. *Clin Chem* 10:447-50, May 64  
 Chemical tests for pheochromocytoma. Kelleher J, et al. *J Clin Path* 17:399-404, Jul 64  
 Pheochromocytoma in the mesosigmoid following term delivery. Wuisin JH. *JAMA* 190:242-4, 19 Sep 64  
 Pheochromocytoma presenting as postural hypotension. Parkinson T. *Proc Roy Soc Med* 57:873-4, Aug 64

## PHILOSOPHY, MEDICAL

Man in the future. Bean WB. *Arch Intern Med (Chicago)* 114:467-9, Oct 64  
 And leave for the unknown. Romano J. *JAMA* 190:282-4, 26 Oct 64  
 On the distinction between individual and social medicine. Terris M. *Lancet* 2:653-5, 20 Sep 64  
 Thoughts on the art of medicine. Abbott P. *Practitioner* 193:72-5, Jul 64

## PHLEBITIS

Retinal phlebitis and sinus disease. Hauer Y, et al. *Brit J Ophthal* 47:353-6, Jun 63

## PHONOCARDIOGRAPHY

The second heart sound in biventricular failure due to African cardiomyopathy. Reid JV. *Amer Heart J* 68:38-40, Jul 64  
 Study of hemodynamic factors which alter the sequence of the second heart sound. Boyle J 3d, et al. *Amer Heart J* 68:91-7, Jul 64  
 Genesis of Korotkoff sounds. Chungcharoen D. *Amer J Physiol* 207:190-4, Jul 64  
 Accuracy of the phonocardiogram in assessing severity of aortic and pulmonic stenosis. Gamboa R, et al. *Circulation* 30:35-46, Jul 64

## PHOSGENE

Physiologic effects of chronic exposure to phosgene in dogs. Rossing RG. *Amer J Physiol* 207:265-72, Jul 64  
 Phosgene poisoning as an example of neuroparalytic acute pulmonary edema: the sympathetic vasomotor reflex involved. Ivanhoe F, et al. *Dis Chest* 46:211-8, Aug 64

## PHOSPHATASES

Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64  
 Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64  
 Use of liver adenyl cyclase for assay of glucagon in human gastro-intestinal tract and pancreas. Makman MH, et al. *Endocrinology* 75:127-34, Jul 64  
 Staining patterns of phosphatases of the central nervous system with azo-dye methods. Kaluza JS, et al. *J Neuropath Exp Neurol* 23:477-85, Jul 64

## PHOSPHATES

Parathyroid hormone and phosphate homeostasis in man. Halden A, et al. *Acta Endocr (Kobenhavn)* 46:285-91, Jun 64  
 Relationship of maximal tubular phosphate reabsorption to dietary phosphate in the dog. Hellman D, et al. *Amer J Physiol* 207:97-103, Jul 64  
 Organophosphorus insecticides in Colorado. Holmes JH. *Arch Environ Health (Chicago)* 9:445-53, Oct 64  
 Allergic contact sensitivity to malathion. Milby TH, et al. *Arch Environ Health (Chicago)* 9:434-7, Oct 64  
 Role of phosphate in treatment of renal tubular (hypophosphataemic) rickets and osteomalacias. Rose GA. *Brit Med J* 5413:857-61, 3 Oct 64  
 The effect of a high phosphorus intake on total and ultrafiltrable plasma calcium and on phosphate clearance. Smith DA, et al. *Clin Sci* 28:479-86, Jun 64  
 Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64  
 Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64  
 Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64  
 Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64  
 Interaction of phosphorothioate with the disulfide bonds of ribonuclease and lysozyme. Neumann H, et al. *J Biol Chem* 239:1536-40, May 64  
 Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. Dietrich LS, et al. *J Biol Chem* 239:1653-5, May 64  
 The phosphorylation reaction that accompanies the

nonenzymic oxidation of 2-methyl-1,4-naphthohydroquinone diphosphate. Tomasi GE, et al. *J Biol Chem* 239:1604-13, May 64  
 Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64  
 Calcium or phosphate? *Lancet* 2:895-6, 24 Oct 64  
 Factors controlling calcification in vitro: the calcium phosphate ratio. Taves DR, et al. *Proc Soc Exp Biol Med* 116:631-5, Jul 64

## PHOSPHOGLUCOMUTASE

Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64

## PHOSPHOGLUCONATE

## DEHYDROGENASE

Experimental hydronephrosis: morphologic and enzymatic studies of renal tubules in ureteric obstruction and recovery in the rat. II. Pentose phosphate pathway. Kissane JM, et al. *Lab Invest* 13:547-51, Jun 64

## PHOSPHOINOSITIDES

Structural studies on the myo-inositol mannoides from the glycolipids of *Mycobacterium tuberculosis* and *Mycobacterium phlei*. Lee YC, et al. *J Biol Chem* 239:1316-27, May 64  
 Ion exchange chromatography of intact brain phosphoinositides on diethylaminoethyl cellulose by gradient salt elution in a mixed solvent system. Hendrickson HS, et al. *J Biol Chem* 239:1369-73, May 64

## PHOSPHOLIPID METABOLISM

Phospholipids of *Streptococcus lactis*. Macleod P, et al. *J Bact* 87:1531, Jun 64  
 Incubation hemolysis and red cell metabolism in acanthocytosis. Simon ER, et al. *J Clin Invest* 43:1311-21, Jul 64

## PHOSPHOLIPIDS

Lipids of human platelets and their action on the blood coagulation process. Woodside EE, et al. *Blood* 24:76-91, Jul 64  
 Cortisol effects on the uterine response to estrogen. Nicolette JA, et al. *Endocrinology* 74:955-9, Jun 64  
 Structural studies on the myo-inositol mannoides from the glycolipids of *Mycobacterium tuberculosis* and *Mycobacterium phlei*. Lee YC, et al. *J Biol Chem* 239:1316-27, May 64  
 The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. Bressler R, et al. *J Biol Chem* 239:1364-8, May 64  
 The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. *J Biol Chem* 239:1335-45, May 64  
 Serum-lipid levels in a Brazilian Indian population. Pazzanese D, et al. *Lancet* 2:615-7, 19 Sep 64  
 Reduction of serum lipids following portacaval transposition in diabetic dogs. Waddell WR, et al. *Metabolism* 13:562-71, Jun 64  
 Phospholipid patterns in livers accumulating fat. Snyder F, et al. *Proc Soc Exp Biol Med* 116:459-62, Jun 64  
 [On the degradation of plasma lipids in preserved blood] Elmendorff H von, et al. *Blut* 10:61-7, Mar 64 (Ger)

## PHOSPHORUS

Hypoparathyroidism and pernicious anaemia. Ikkala E, et al. *Acta Med Scand* 176:73-7, Jul 64  
 The effect of a high phosphorus intake on total and ultrafiltrable plasma calcium and on phosphate clearance. Smith DA, et al. *Clin Sci* 26:479-86, Jun 64  
 Mineral analysis of the fourth lumbar vertebra in health and renal failure. Kaye M. *J Clin Invest* 43:1367-71, Jul 64  
 Phosphorus metabolism in lambs fed varying phosphorus intakes. Preston RL, et al. *J Nutr* 83:369-78, Aug 64  
 Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64

## PHOSPHORUS ISOTOPES

Recurrent cystic formation in craniopharyngioma treated with radioactive chronic phosphate. Case report. Overton MC 3d, et al. *J Neurosurg* 20:707-10, Aug 63  
 Radioactive phosphorus treatment of bone-metastatic carcinoma of the prostate. Smart JG. *Lancet* 2:862-3, 24 Oct 64

[The determination of human erythrocyte survival time with radioactive diisopropylfluorophosphate (DFP32) and its use in clinical practice] Heimpel H, et al. *Deutsch Med Wschr* 89:1463-9, 31 Jul 64 (Ger)

## PHOSPHORUS METABOLISM

Relationship of maximal tubular phosphate reabsorption to dietary phosphate in the dog. Hellman D, et al. *Amer J Physiol* 207:97-103, Jul 64  
 Relationship of maximal tubular phosphate reabsorption to filtration rate in the dog. Hellman D, et al. *Amer J Physiol* 207:89-96, Jul 64  
 Effects of catecholamines on urinary calcium and phosphorus in intact and parathyroidectomized rats. Morey ER, et al. *Endocrinology* 75:78-85, Jul 64  
 Phosphorus metabolism in lambs fed varying phosphorus intakes. Preston RL, et al. *J Nutr* 83:369-78, Aug 64  
 Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64

## PHOSPHOTRANSFERASES

Cholinesterases, monoamine oxidases, and phosphorylase in the iris muscles. Niemi M, et al. *Arch Ophthal (Chicago)* 72:548-53, Oct 64  
 Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Shonk CE, et al. *Cancer Res* 24:709-21, May 64  
 Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Shonk CE, et al. *Cancer Res* 24:722-31, May 64  
 Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64  
 Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagler SR, et al. *J Biol Chem* 239:1289-91, May 64  
 Effect of fetal decapitation on enzymes of glycogen metabolism. Jacquot R, et al. *J Biol Chem* 239:1301-4, May 64  
 Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. Abraham S, et al. *J Nutr* 83:273-88, Jul 64  
 Effect of Na<sup>+</sup> and K<sup>+</sup> on the adenylate kinase of human erythrocytes. Askari A, et al. *Proc Soc Exp Biol Med* 116:751-3, Jul 64  
 Delta 4-reductase and sulfokinase activities of rat and sheep liver preparations. Ellis LC, et al. *Proc Soc Exp Biol Med* 116:617-21, Jul 64  
 Influence of hypothermia and anoxia upon the biochemistry of heart muscle. Passanti GT, et al. *Surg Forum* 15:210-2, 1964

## PHOTOSENSITIZATION

Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al. *Arch Derm (Chicago)* 90:377-86, Oct 64  
 Conditioning factors in stroboscopic-induced seizures. Forster FM, et al. *Epilepsia (Amst)* 5:156-65, Jun 64  
 The porphyrin content of skin. Pathak MA, et al. *J Invest Derm* 43:119-20, Aug 64  
 Phototoxic reaction with nalidixic acid. Zelikson AS. *JAMA* 190:556-7, 9 Nov 64  
 Photosensitization of human cell cultures by demethylchlorotetracycline. Chang TW, et al. *Proc Soc Exp Biol Med* 116:509-12, Jun 64

## PHOTOSYNTHESIS

The reversible interaction of sodium dodecyl sulfate with bacterial chromatophores. Newton JW. *J Biol Chem* 239:1585-8, May 64

## PHYCOMYCETES

Subcutaneous phycomycosis. Mukerji S. *Brit Med J* 5415:1009-10, 17 Oct 64

## PHYSICAL EDUCATION AND

## TRAINING

The Olympic Games. *Brit Med J* 5413:833-4, 3 Oct 64

## PHYSICAL EXAMINATION

A review of methods used in nutrition surveys conducted by the Interdepartmental Committee on Nutrition for National Defense (ICNND). *Amer J Clin Nutr* 15:29-44, Jul 64  
 Effect of cytologic program on pelvic examinations. Dubin IN, et al. *Arch Environ Health (Chicago)* 9:514-20, Oct 64  
 Evaluation of impairment of function in the hand. Swanson AB. *Surg Clin N Amer* 44:925-40, Aug 64



## PHYSICAL FITNESS

The Olympic Games. *Brit Med J* 5413:833-4, 3 Oct 64  
[Discs for the calculation of 2 indices of robustness and a cardiac functional index] Perolini C.  
*Presse Med* 72:2199-200, 19 Sep 64 (Fr)

## PHYSICIAN-PATIENT RELATIONS

Urgency as a factor in clinic attendance. Ambuel JP, et al. *Amer J Dis Child* 108:394-8, Oct 64  
Physicians' attitudes toward alcoholic patients. Mendelson JH, et al.  
*Arch Gen Psychiat (Chicago)* 11:392-9, Oct 64  
Child care in general practice. The paediatric consultation. MacKeith R.  
*Brit Med J* 5418:1179-81, 7 Nov 64  
Impact of malignant diseases on the general practitioner. Gibson R.  
*Brit Med J* 5415:985-9, 17 Oct 64  
Report of the Special Committee to Adapt the Australian Plan of Medical Services to Canadian Conditions. *Canad Med Ass J* 90:Suppl:35-44, 19 Sep 64  
And leave for the unknown. Romano J.  
*JAMA* 190:282-4, 28 Oct 64

## PHYSICIANS

"What shall the doctor's image be"? Abbott E.  
*Brit Med J* 5416:1062-3, 24 Oct 64  
Psychiatric morbidity of physicians. Duffy JC, et al.  
*JAMA* 189:989-92, 28 Sep 64  
Medical manpower. *Lancet* 2:693, 20 Sep 64  
Medical manpower. *Lancet* 2:642-3, 19 Sep 64  
Statistics on physicians, 1950-63. Pennell MY.  
*Public Health Rep* 79:905-10, Oct 64  
[Statement on medical care with conclusions and recommendations prepared by the Special Committee on Policy of the Canadian Medical Association]  
*Canad Med Ass J* 90:Suppl:17-33, 19 Sep 64 (Fr)

## PHYSIOLOGY

Physiology in pathology. Hartroft WS.  
*Lab Invest* 13:602-9, Jun 64  
Willis's place in the history of muscle physiology. (Willis T), et al. *Proc Roy Soc Med* 57:687-92, Aug 64

## PHYSIOLOGY, COMPARATIVE

A note on the cutaneous arterial vessels of some primates. Baccaredda-Boy A.  
*Angiologica (Basel)* 1:209-12, 1964  
Comparative physiology of oxygen transport in mammals. Bartels H. *Lancet* 2:601-4, 19 Sep 64

## PHYSOSTIGMINE

Phospholine iodide (217M1) (ecothiophate iodide) in the treatment of glaucoma. Lloyd JP.  
*Brit J Ophthalmol* 47:469-84, Aug 63  
In vitro activation of lipolytic activity in the serum of dogs by bile salts. Traxel WL, et al.  
*Proc Soc Exp Biol Med* 116:388-92, Jun 64

## PIA MATER

Cinephotomicrographic studies of the pial vasculature in the monkey and cat. Scratch GP, et al.  
*Surg Forum* 15:409-10, 1964

## PICRYL CHLORIDE

In vitro cytotoxicity in delayed-type hypersensitivity and immunologic tolerance. Lubaroff DM, et al.  
*Proc Soc Exp Biol Med* 116:823-7, Jul 64

## PIGMENTATION

Fixed eruption in deeply pigmented subjects: clinical observations on 350 patients. Browne SG.  
*Brit Med J* 5416:1041-4, 24 Oct 64  
Catechol O-methyl transferase in skin. Bamshad J, et al.  
*J Invest Derm* 43:111-3, Aug 64

## PIGMENTATION DISORDERS

Dermatological and ophthalmological changes associated with prolonged chlorpromazine therapy. Feldman PE, et al. *Amer J Psychiat* 121:187-8, Aug 64  
Familial Schamberg's disease. Baden HP.  
*Arch Derm (Chicago)* 90:400, Oct 64  
Leukonychia. Total and partial leukonychia in a single family with a review of the literature. Albright SD 3d, et al. *Arch Derm (Chicago)* 90:392-9, Oct 64  
Pigmentation and Cushing's syndrome due to malignant tumor of the pancreas. Hallwright GP, et al. *J Clin Endocr* 24:496-500, Jun 64  
[Hyperpigmentation of the mammary areolae and of the external genitalia and gynecomastia during treatment with griseofulvin] Durand P, et al.  
*Minerva Med* 55:2422-5, 18 Aug 64 (It)

## PIGMENTS

Hepatocellular lipofuscin after excessive ingestion of analgesics. Abrahams C, et al.  
*Lancet* 2:621-2, 19 Sep 64

## PILOCARPINE

Comparison between pilocarpine and echothiophate for chronic simple glaucoma. A comparison between 4 per cent pilocarpine and 0.06 per cent echothiophate iodine in the diurnal management of chronic simple glaucoma. Pratt-Johnson JA, et al.  
*Arch Ophthalmol (Chicago)* 72:485-8, Oct 64  
Phospholine iodide (217M1) (ecothiophate iodide) in the treatment of glaucoma. Lloyd JP.  
*Brit J Ophthalmol* 47:469-84, Aug 63  
Effects of pilocarpine on exchange of K42 in slices of submaxillary gland. Schneyer LH, et al.  
*Proc Soc Exp Biol Med* 116:813-7, Jul 64

## PINEALOMA

The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al.  
*Brit J Radiol* 37:488-510, Jul 64  
Electrocardiographic alterations observed during fractional pneumoencephalography. Davie JC.  
*J Neurosurg* 20:321-8, Apr 63

## PIPERAZINES

Clinical trial of a potentiated diketopiperazine derivative as a psychopharmacological agent for the treatment of psychotic patients. Gerson IM, et al.  
*Amer J Psychiat* 121:179-81, Aug 64  
Destruction of malignant cells in peritoneal cavity. Experimental use of a chemotherapeutic agent. McKibbin B. *Arch Surg (Chicago)* 89:691-4, Oct 64

## PIPERIDINES

[CB-8089 (benzperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagon C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)

## PITUITARY GLAND

Some pituitary-ovarian relationships in the periparturient cow. Labhsetwar AP, et al.  
*J Reprod Fertil* 8:85-90, Aug 64  
Effect of progesterone and oxytocin on the pituitary-ovarian relationship in heifers. Labhsetwar AP, et al. *J Reprod Fertil* 8:77-83, Aug 64  
Deficiency of effective histocompatibility antigens in pituitary and parathyroid tissue. Gittes RF, et al.  
*Surg Forum* 15:164-6, 1964

## PITUITARY GLAND, ANTERIOR

Influence of anterior pituitary on avoidance learning and escape behavior. De Wied D.  
*Amer J Physiol* 207:255-9, Jul 64  
Restoration of the ability of rat pituitary homotransplants to secrete ACTH if placed under the hypothalamic median eminence. Matsuda K, et al.  
*Endocrinology* 74:939-43, Jun 64  
Distribution of hypophyseal portal blood in the anterior lobe of the pituitary gland. Adams JH, et al.  
*Endocrinology* 75:120-6, Jul 64  
Effect of stress on glycogen and phosphorylase in the rat anterior pituitary. Jacobowitz D, et al.  
*Endocrinology* 75:86-8, Jul 64  
Purification of bovine growth hormone. Dellacha JM, et al. *J Biol Chem* 239:1515-20, May 64  
The Chiari-Frommel syndrome. An experiment of nature. Chard T.  
*J Obstet Gynaec Brit Comm* 71:824-6, Aug 64  
In vitro lactogen production by anterior pituitaries from lactating rats and estrous cyclic rats. Gala RR, et al. *Proc Soc Exp Biol Med* 116:637-41, Jul 64  
[Exploration of the hypophyso-thyroid couple by the use of an imidazole derivative. Apropos of 25 personal cases] Bricaire H, et al.  
*Presse Med* 72:2505-10, 17 Oct 64 (Fr)

## PITUITARY HORMONES, ANTERIOR

[Differential diagnosis of tumors in the area of the sella turcica] Marguth F.  
*Deutsch Med Wschr* 89:1838-45, 25 Sep 64 (Ger)

## PITUITARY HORMONES,

## POSTERIOR

Neurohypophyseal hormones of chickens and turkeys. Munsick RA. *Endocrinology* 75:104-12, Jul 64  
Preoperative hormonal treatment in cases of cerebral tumor. Bernard-Weil E, et al.  
*J Neurosurg* 20:841-8, Oct 63  
[Differential diagnosis of tumors in the area of the sella turcica] Marguth F.  
*Deutsch Med Wschr* 89:1838-45, 25 Sep 64 (Ger)

## PITUITARY NEOPLASMS

Angioid streaks in pituitary tumour. Wright JC.  
*Brit J Ophthalmol* 48:402-3, Jul 64  
Tumor induction with asatrine-211 in rats: characterization of pituitary tumors. Yokoro K, et al.  
*Cancer Res* 24:683-8, May 64  
Studies with mouse pituitary thyrotropic tumors. 8. Werner SC, et al. *Endocrinology* 75:66-77, Jul 64  
Results of surgical treatment of pituitary adenoma. The factor of the excessively enlarged sella. Svien HJ, et al. *J Neurosurg* 20:669-74, Aug 63  
Relative diagnostic value of air study and angiography in suprasellar masses. Bakay L, et al.  
*J Neurosurg* 20:729-39, Sep 63  
Pituitary sarcoma; a possible consequence of radiation. Greenhouse AH. *JAMA* 190:269-73, 26 Oct 64  
Specific immunoprecipitation of mouse thyrotropins in plasma and thyrotropic tumor extracts. Moy P, et al. *Proc Soc Exp Biol Med* 116:643-6, Jul 64  
[Differential diagnosis of tumors in the area of the sella turcica] Marguth F.  
*Deutsch Med Wschr* 89:1838-45, 25 Sep 64 (Ger)  
[Pregnancy after hypophysectomy and treatment with human pituitary gonadotropin] Bettendorf G, et al.  
*Deutsch Med Wschr* 89:1952-7, 9 Oct 64 (Ger)

## PLACEBOS

Preylamine ("segontin") in prophylaxis of angina pectoris attacks. Stables DP, et al.  
*S Afr Med J* 38:615-7, 15 Aug 64

## PLACENTA

Uterine and placental enzymes; a review. Hafez ES. *Acta Endocr (Kobenhavn)* 46:217-29, Jun 64  
Application of thermography to the problem of placental localization: preliminary communication. Young RJ. *Brit Med J* 5415:978-81, 17 Oct 64  
A placental lesion to account for foetal haemorrhage into the maternal circulation. Wentworth P.  
*J Obstet Gynaec Brit Comm* 71:379-87, Jun 64  
Variations in the enzyme histochemistry of the placenta. Curzen P.  
*J Obstet Gynaec Brit Comm* 71:388-99, Jun 64  
A teratoma of the placenta. Fox H, et al.  
*J Path Bact* 88:137-40, Jul 64  
Experimental growth retardation in the foetal rat. Wigglesworth JS. *J Path Bact* 88:1-13, Jul 64  
Placental haemophagous organs in the procyonidae and mustelidae. Creed RF, et al.  
*J Reprod Fertil* 8:133-7, Aug 64  
A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. Bleicher SJ, et al. *Metabolism* 13:583-6, Jun 64  
Significance of the placental position. A report from the collaborative study of cerebral palsy. Little WA, et al. *Obstet Gynec* 23:804-9, May 64  
Morphologic evidence of syncytial formation from the cytotrophoblastic cells. Carter JE.  
*Obstet Gynec* 23:647-56, May 64  
Transfusion syndrome in multiple pregnancy. Conway CF. *Obstet Gynec* 23:745-51, May 64  
Placenta localization using radioactive I-131-tagged human serum albumin. Thaidigsman JH, et al.  
*Obstet Gynec* 23:757-63, May 64  
Placental permeability to sucrose: a source of error in measuring volumes of sucrose distribution in gravidas. Chesley LC, et al.  
*Obstet Gynec* 23:795-8, May 64  
Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Bragonier JR, et al.  
*Proc Soc Exp Biol Med* 116:685-8, Jul 64  
Placental hemodynamics in an artificial system. Harbert GM Jr, et al. *Surg Forum* 15:388-9, 1964

## PLACENTA ACCRETA

Placenta praevia accreta. Ylinen O, et al.  
*Ann Chir Gynaec Fenn* 53:394-9, 1964

## PLACENTA PRAEVIA

Placenta praevia accreta. Ylinen O, et al.  
*Ann Chir Gynaec Fenn* 53:394-9, 1964  
Application of thermography to the problem of placental localization: preliminary communication. Young RJ. *Brit Med J* 5415:978-81, 17 Oct 64  
Placental localization. *Brit Med J* 5415:961-2, 17 Oct 64  
Placenta localization using radioactive I-131-tagged human serum albumin. Thaidigsman JH, et al.  
*Obstet Gynec* 23:757-63, May 64  
Diagnosis of placenta praevia by angiography. Obstetrical aspects. Bevis DC.  
*Proc Roy Soc Med* 57:700-2, Aug 64  
Diagnosis of placenta praevia by aortography. Ainsworth J, et al.  
*Proc Roy Soc Med* 57:697-700, Aug 64



## PLANT AGGLUTININS

RNA synthesis in cultures of normal human peripheral blood. Epstein LB, et al. *Blood* 24:69-75, Jul 64

Failure of lymphocytes from hypogammaglobulinemic subjects to transform in culture. Elves MW, et al. *Brit Med J* 5416:1051-2, 24 Oct 64

The culture in vitro of lymphoid cells obtained from rabbit lymph nodes. Foft JW, et al. *Lab Invest* 13:575-80, Jun 64

Phytohaemagglutinin. *Lancet* 2:847-8, 19 Sep 64

Short-term phytohaemagglutinin culture on human thoracic-duct lymphocytes. Lindahl-Kiessling K. *Lancet* 2:862-3, 17 Oct 64

Effects of phytohaemagglutinin on leucocytes. Coulson AS, et al. *Lancet* 2:819-20, 10 Oct 64

## PLANT POISONING

Keraconjunctivitis resulting from the sap of candelabra cactus and the pencil tree. Crowder JJ, et al. *Arch Ophthalmol* (Chicago) 72:476-84, Oct 64

Fatal poisoning with podophyllum resin. Kaymakcalan S. *JAMA* 190:558, 9 Nov 64

## PLANT PROTEINS

Studies of the growth-promoting activity for chicks of fish solubles. Harrison GF, et al. *Brit J Nutr* 18:461-6, 1964

All-vegetable protein mixtures for human feeding. XV. Studies in dogs on the absorption of gassypol from cottonseed flour-containing vegetable protein mixtures. Bressani R, et al. *J Nutr* 83:209-17, Jul 64

## PLANTS, EDIBLE

Response to lettuce in a patient with megaloblastic anaemia associated with pregnancy. Baumslag N, et al. *S Afr Med J* 38:811-3, 15 Aug 64

## PLASMA

Normal blood volumes in the horse. Marcilese NA, et al. *Amer J Physiol* 207:223-7, Jul 64

A theory for the quantification of transcapillary exchange by tracer-dilution curves. Martin P, et al. *Amer J Physiol* 207:162-8, Jul 64

Arterial hematocrit and separation of cells and plasma in the dog kidney. Chinnard FP, et al. *Amer J Physiol* 207:128-32, Jul 64

Blood volume changes in patients with burns treated with either colloid or saline solutions. Davies JW. *Clin Sci* 28:429-43, Jun 64

Squalene in human and rat blood plasma. Goodman DS. *J Clin Invest* 43:1480-5, Jul 64

Intensive plasma therapy in the hemophilias. Roberts HR, et al. *JAMA* 190:546-8, 9 Nov 64

The plasma insulin "inhibitor" and immunoprecipitation assay. Kuzuya T, et al. *Metabolism* 13:493-5, Jun 64

Pooled human plasma as a volume expander. Hillman RS. *New Eng J Med* 271:1027-32, 12 Nov 64

## PLASMA CELLS

Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. Romsdahl MM, et al. *Surg Forum* 15:346-8, 1964

## PLASMA SUBSTITUTES

Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextrans, or shed blood. Hoyt RK, et al. *Surg Forum* 15:34-5, 1964

## PLASMINOGEN

Activation of the blood fibrinolytic enzyme system by platelets. Reid WO, et al. *Amer J Physiol* 208:1255-61, Jun 64

## PLASMODIUM

The incorporation of radioactivity from [<sup>14</sup>C]glucose into the soluble metabolic intermediates of malaria parasites. Bryant C, et al. *Amer J Trop Med* 13:515-9, Jul 64

The fine structure of the erythrocytic forms of *Plasmodium gallinaceum* as revealed by electron microscopy. Ristic M, et al. *Amer J Trop Med* 13:509-14, Jul 64

## PLASMODIUM FALCIPARUM

The heparinized capillary tube as an epidemiologic tool. II. Concentration of blood parasites by centrifugation. Worth RM. *Amer J Hyg* 80:70-4, Jul 64

## PLASMODIUM MALARIAE

The heparinized capillary tube as an epidemiologic tool.

II. Concentration of blood parasites by centrifugation. Worth RM. *Amer J Hyg* 80:70-4, Jul 64

## PLASMODIUM VIVAX

The heparinized capillary tube as an epidemiologic tool. II. Concentration of blood parasites by centrifugation. Worth RM. *Amer J Hyg* 80:70-4, Jul 64

## PLASTICS

Permanent plastic mounts of nervous tissue after differential gross staining. Waters ES. *Amer J Clin Path* 42:114-7, Jul 64

Evolution of plastic material in the surgery of retinal detachment. Rycroft P. *Brit J Ophthalmol* 48:121-32, Mar 64

Arterial replacement by autogenous connective tissue tubes formed in polyurethane sponge. Matsumoto PJ, et al. *Surg Forum* 15:72-3, 1964

## PLETHYSMOGRAPHY

Autonomic changes during paroxysmal EEG activity. Johnson LC, et al. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64

Measurement of airway resistance with a volume displacement body plethysmograph. Jaeger MJ, et al. *J Appl Physiol* 19:813-20, Jul 64

## PLEURA

Asbestos pleurisy. Elsenstadt HB. *Dis Chest* 46:78-81, Jul 64

## PLEURAL EFFUSIONS

Eofinophilic pleural effusion: a review with the presentation os seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Eosinophilic pleural effusion: a review with the presentation of seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Asbestos pleurisy. Elsenstadt HB. *Dis Chest* 46:78-81, Jul 64

Treatment of neoplastic effusions with chlorambucil. Zelenik JS, et al. *Obstet Gynec* 23:703-7, May 64

## PLEURISY

Asbestos pleurisy. Elsenstadt HB. *Dis Chest* 46:78-81, Jul 64

## PLEUROPNEUMONIA

Porcine contagious pleuropneumonia. 3. Interrelationship of *Hemophilus pleuropneumoniae* to other species of *Hemophilus*: nutritional, metabolic, transformation, and electron microscopy studies. White DC, et al. *J Exp Med* 120:1-12, 1 Jul 64

## PLEUROPNEUMONIA-LIKE

## ORGANISMS

Preparation of complement-fixing antigen for routine use in diagnosis of Eaton pneumonia. Jansson E. *J Clin Path* 17:458-60, Jul 64

## PNEUMOCONIOSIS

Lung function in talc workers. Kleinfeld M, et al. *Arch Environ Health* (Chicago) 9:559-66, Nov 64

Socioeconomic aspects of the pneumoconioses. Trasko VM. *Arch Environ Health* (Chicago) 9:521-8, Oct 64

Byssinosis: antibody to cotton antigens in normal subjects and in cotton card-room workers. Massoud A, et al. *Lancet* 2:607-10, 19 Sep 64

## PNEUMOMEDIASTINUM,

## DIAGNOSTIC

Pneumo-mediastinography by the trans-sternal method. Kreef L, et al. *Clin Radiol* 15:219-23, Jul 64

## PNEUMONECTOMY

Choice of operation in the treatment of bronchogenic carcinoma. (A review of 813 cases of which 209 were treated by resection). Rasmussen RA, et al. *Dis Chest* 46:190-7, Aug 64

An evaluation of automatic suture with UKL-60 and UKL-40 devices by pulmonary resection. Goldman A. *Dis Chest* 46:29-36, Jul 64

Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. Hayata Y, et al. *Dis Chest* 46:51-60, Jul 64

Survival of dogs after bilateral reimplantation of the lungs. Lempert N, et al. *Surg Forum* 15:179-81, 1964

Functional and pathologic changes in the reimplanted lung. Amirana MT, et al. *Surg Forum* 15:177-9, 1964

Physiologic studies of the baboon living on only the

reimplanted lung. Haglin JJ, et al. *Surg Forum* 15:175-6, 1964

Reimplantation of the dog lung with survival after contralateral pneumonectomy. Duvoisin GE, et al. *Surg Forum* 15:173-5, 1964

## PNEUMONIA

Eofinophilic pleural effusion: a review with the presentation os seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

A pilot study of acute respiratory illnesses on a college campus. Kapikian AZ, et al. *Amer Rev Resp Dis* 90:175-82, Aug 64

Eosinophilic pleural effusion: a review with the presentation of seven new cases. Campbell GD, et al. *Amer Rev Resp Dis* 90:194-201, Aug 64

Lung changes following cobalt teletherapy for carcinoma of the breast. Papavasiliou C, et al. *Clin Radiol* 15:242-5, Jul 64

Pneumonitis with alveolar-capillary block in a cattle rancher exposed to epizootic bovine abortion. Barnes MG, et al. *New Eng J Med* 271:981-5, 5 Nov 64

Staphylococcal pneumonia. Jewett JF. *New Eng J Med* 271:848-9, 15 Oct 64

[Parapertussis] Simon C. *Deutsch Med Wschr* 89:1733-9, 11 Sep 64 (Ger)

## PNEUMONIA, VIRAL

A pilot study of acute respiratory illnesses on a college campus. Kapikian AZ, et al. *Amer Rev Resp Dis* 90:175-82, Aug 64

Viral and mycoplasmal pneumonias. Prevention and treatment. Reimann HA. *Dis Chest* 46:158-64, Aug 64

## PNEUMOTHORAX

A ten-year review of spontaneous pneumothorax in an armed forces hospital. Beumer HM. *Amer Rev Resp Dis* 90:261, Aug 64

Spontaneous pneumothorax at term. Report of a case. Jonas G. *Obstet Gynec* 23:799-801, May 64

## PODOPHYLLUM

Fatal poisoning with podophyllum resin. Kaymakcalan S. *JAMA* 190:558, 9 Nov 64

## POISONING

Acute aniline poisoning treated by hemodialysis. Report of a case. Lubash GD, et al. *Arch Intern Med* (Chicago) 114:530-2, Oct 64

To-day's drugs. Treatment of acute poisoning. I. *Brit Med J* 5414:927-9, 10 Oct 64

Code for drugs. Clouting FC, et al. *Brit Med J* 5416:1073, 24 Oct 64

Accidental poisoning in children. Sweetnam WP. *Brit Med J* 5418:1199-200, 7 Nov 64

To-day's drugs. Treatment of acute poisoning. 2. *Brit Med J* 5415:993-6, 17 Oct 64

Phosgene poisoning as an example of neuroparalytic acute pulmonary edema: the sympathetic vasomotor reflex involved. Ivanhoe F, et al. *Dis Chest* 46:211-8, Aug 64

Effectiveness of aurin tricarboxylic acid (ATA) as an antidote for beryllium poisoning. King ME, et al. *Industr Med Surg* 33:566-9, Aug 64

Poisonings and other health hazards associated with use of detergents. Arena JM. *JAMA* 190:56-8, 5 Oct 64

Organic phosphorus poisoning and therapy. Molphy R, et al. *Med J Aust* 2:337-40, 29 Aug 64

Nutmeg poisoning. Rees JH. *Practitioner* 193:80-3, Jul 64

[Acute hemolytic anemia due to naphthalene inhalation in 2 premature infants and 1 full-term infant] Irlé U. *Deutsch Med Wschr* 89:1798-800, 18 Sep 64 (Ger)

[Life-threatening naphthalene poisoning in an infant due to Vaporin vapors] Hanssler H. *Deutsch Med Wschr* 89:1794-7, 18 Sep 64 (Ger)

## POLDINE

Trial of Nactisol in general practice. Traherne JB. *Brit J Clin Pract* 18:403-4, Jul 64

## POLIOMYELITIS

Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. II. Studies on type 3 strains. Furesz J, et al. *Amer J Hyg* 80:55-61, Jul 64

Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 1 strains. Furesz J, et al. *Amer J Hyg* 80:45-54, Jul 64

Poliomyelitis in Dundee, 1962. Weir IB, et al. *Brit Med J* 5413:853-7, 3 Oct 64

Poliomyelitis antibodies in human colostrum and milk. Hodes HI, et al. *J Pediat* 65:319-20, Aug 64

Oral poliomyelitis vaccines. Report of special advisory committee on oral poliomyelitis vaccines to the



Surgeon General of the Public Health Service. *JAMA* 190:49-51, 5 Oct 64  
 Paralytic disease associated with oral polio vaccines. Henderson DA, et al. *JAMA* 190:41-8, 5 Oct 64  
 Commentary on Report on Oral Poliomyelitis Vaccines. Sabin AB. *JAMA* 190:52-5, 5 Oct 64  
 Poliomyelitis in Surinam. Report on a type-1 outbreak in 1963 and its control by trivalent oral polio virus vaccine. Wilterdink JB, et al. *Trop Geogr Med* 16:120-8, Jun 64  
 Virological and serological observations made during the development and control of an outbreak of poliomyelitis in Surinam. Metselaar D, et al. *Trop Geogr Med* 16:129-34, Jun 64

## POLIOVIRUS

Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 3 strains. Furesz J, et al. *Amer J Hyg* 80:55-61, Jul 64  
 Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 1 strains. Furesz J, et al. *Amer J Hyg* 80:45-54, Jul 64  
 Cystine-independent thermoresistant mutants of poliovirus. Youngner JS, et al. *J Bact* 88:265-6, Jul 64  
 Separation of SV40 from poliovirus by extraction with 1-butanol. Macmorine HG, et al. *Proc Soc Exp Biol Med* 116:310-3, Jun 64  
 [Inactivation by ozone of the poliovirus present in water] Coin L, et al. *Presse Med* 72:2153-6, 12 Sep 64 (Fr)

## POLIOVIRUS VACCINE

Surveillance of Salk vaccination in England and Wales 1956-61. Roden AT. *Proc Roy Soc Med* 57:464-6, Jun 64  
 Poliovirus vaccines and the control of poliomyelitis. Stuart-Harris CH. *Proc Roy Soc Med* 57:459-62, Jun 64  
 The future of inactivated poliomyelitis vaccines. Dane DS. *Proc Roy Soc Med* 57:462-4, Jun 64

## POLIOVIRUS VACCINE, ORAL

Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. II. Studies on type 3 strains. Furesz J, et al. *Amer J Hyg* 80:55-61, Jul 64  
 Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 1 strains. Furesz J, et al. *Amer J Hyg* 80:45-54, Jul 64  
 The response of premature infants to infection with type 3 attenuated poliovirus. Pagano JS, et al. *J Pediat* 65:165-75, Aug 64  
 Poliovirus antibody two years after oral trivalent vaccine (Sabin strains). Cabasso VJ, et al. *JAMA* 190:248-50, 19 Sep 64  
 Paralytic disease associated with oral polio vaccines. Henderson DA, et al. *JAMA* 190:41-8, 5 Oct 64  
 Oral poliomyelitis vaccines. Report of special advisory committee on oral poliomyelitis vaccines to the Surgeon General of the Public Health Service. *JAMA* 190:49-51, 5 Oct 64  
 Commentary on Report on Oral Poliomyelitis Vaccines. Sabin AB. *JAMA* 190:52-5, 5 Oct 64  
 Poliovirus vaccines and the control of poliomyelitis. Stuart-Harris CH. *Proc Roy Soc Med* 57:459-62, Jun 64  
 Virological and serological observations made during the development and control of an outbreak of poliomyelitis in Surinam. Metselaar D, et al. *Trop Geogr Med* 16:129-34, Jun 64  
 Poliomyelitis in Surinam. Report on a type-1 outbreak in 1963 and its control by trivalent oral polio virus vaccine. Wilterdink JB, et al. *Trop Geogr Med* 16:120-8, Jun 64

## POLLEN

Specific binding of an I-131-labeled ragweed pollen fraction by sera of untreated ragweed-sensitive humans. Lidd D, et al. *J Allerg* 35:289-305, Jul-Aug 64  
 The sedimentation properties of the skin-sensitizing antibodies of ragweed-sensitive patients. Andersen BR, et al. *J Exp Med* 120:31-43, 1 Jul 64  
 Birch pollen and aspirin psoriasis. A study in salicylate hypersensitivity. Shelley WB. *JAMA* 189:985-8, 28 Sep 64  
 Hay fever treated by repository injections. Frankland AW, et al. *Practitioner* 193:71, Jul 64  
 [Attempt at demonstration of pollen reagins in vitro] Melliger E. *Int Arch Allerg* 24:Suppl:21-2, 1964 (Ger)

## POLYCYTHEMIA

Actual and predicted-normal red-cell and plasma volumes in primary and secondary polycythaemia. Hume R, et al. *Clin Sci* 26:499-508, Jun 64

## POLYCYTHEMIA VERA

Actual and predicted-normal red-cell and plasma

volumes in primary and secondary polycythaemia. Hume R, et al. *Clin Sci* 26:499-508, Jun 64

## POLYETHYLENES

New freeze-protecting compounds and their screening. Halasz NA, et al. *Surg Forum* 15:214-5, 1964

## POLYMERS

Pharyngeal implants for reduction of air space in velopharyngeal insufficiency. I. An experimental study. Ward PH, et al. *Ann Otol* 73:443-57, Jun 64  
 Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. Merrick JM, et al. *J Bact* 88:60-71, Jul 64  
 Preparation and properties of water-insoluble derivatives of urease. Riesel E, et al. *J Biol Chem* 239:1521-4, May 64  
 Repair of small arteries with contact cement and teflon graft. Khodadad G, et al. *J Neurosurg* 21:552-60, Jul 64  
 Systemic hypotension by polybasic polymers. Lyons GW, et al. *Surg Forum* 15:95-7, 1964

## POLYMYXIN

Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al. *J Clin Path* 17:461-5, Jul 64

## POLYNEURITIS

Polyneuritis of pregnancy effectively managed with dilantin. Report of a case. Wolnisty C. *Obstet Gynec* 23:802-3, May 64

## POLYNUCLEOTIDES

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64

## POLYOMA VIRUS

Influence of thymectomy on tumor induction by polyoma virus in C57BL mice. Miller JF. *Proc Soc Exp Biol Med* 116:323-7, Jun 64

## POLYPS

Some questions about adenomatous polyps. Ryan P. *Aust New Zeal J Surg* 34:59-61, Aug 64  
 Oculosporidiosis: rhinosporidiosis of the eye. Kuriakose ET. *Brit J Ophthalm* 47:346-9, Jun 63  
 Choristoma of the gall-bladder. Brunton FJ. *Clin Radiol* 15:283-5, Jul 64

## POLYSACCHARIDES

Metabolism of intracellular polysaccharide by *Streptococcus mitis* and its relation to inducible enzyme formation. Gibbons RJ. *J Bact* 87:1512-20, Jun 64  
 Incorporation of <sup>14</sup>C and <sup>3</sup>H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. Silbert JE. *J Biol Chem* 239:1310-5, May 64  
 Effect of acidic polysaccharides on bone uptake of radioactive strontium and calcium. Paul TM, et al. *Surg Forum* 15:66-7, 1964

## POLYSACCHARIDES, BACTERIAL

Adjuvants and aspermatogenesis in the guinea pig. Katsh S. *Int Arch Allerg* 24:319-31, 1964  
 Structure of streptococcal cell walls. II. Group A biose and group A triose from C-polysaccharide. Heymann H, et al. *J Biol Chem* 239:1656-63, May 64  
 Separation of teichoic acid of *Staphylococcus aureus* into two immunologically distinct specific polysaccharides with alpha- and beta-N-acetylglucosaminyl linkages respectively. Antigenicity of teichoic acids in man. Torii M, et al. *J Exp Med* 120:13-29, 1 Jul 64  
 Pulmonary aspergillosis: diagnostic and immunological significance of antigens and C-substance in *Aspergillus fumigatus*. Longbottom JL, et al. *J Path Bact* 88:141-51, Jul 64  
 Some aspects of the antibody response of rabbits to immunization with enterobacterial somatic antigens. Weidanz WP, et al. *Proc Soc Exp Biol Med* 116:832-7, Jul 64  
 Effect of endotoxin upon total iron-binding capacity of the serum. Kampschmidt RF, et al. *Proc Soc Exp Biol Med* 116:420-2, Jun 64  
 Production of a polysaccharide by *Staphylococcus aureus*. 3. Action of penicillins and polysaccharides on enzymic lysis. Warren GH, et al. *Proc Soc Exp Biol Med* 116:317-23, Jun 64

## POLYSTYRENES

Falsely positive pyrogenic responses induced in rabbits

by latex particles. Kobayashi GS, et al. *Proc Soc Exp Biol Med* 116:716-8, Jul 64

## POLYTHIAZIDE

The relation between hypopotassemia and alkalosis during administration of polythiazide and chlorthalidone. Rooth G, et al. *Acta Med Scand* 176:51-7, Jul 64  
 A new diagnostic and therapeutic approach in the treatment of hypertension. Shubin H, et al. *Curr Ther Res* 6:368-72, May 64

## POLYVINYLPIRROLIDONE

Initial clinical experiences with liquid nitrogen preserved blood, employing PVP as a protective additive. Richards V, et al. *Amer J Surg* 108:313-22, Aug 64  
 Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from *Mycobacterium tuberculosis*. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64  
 Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic systems in vitro. Woolfrey BF. *Lab Invest* 13:581-6, Jun 64  
 The reformation of the anterior chamber with polyvinylpyrrolidone. King JH Jr, et al. *Southern Med J* 57:1369-72, Nov 64

## POLYVINYL

Accumulation of iron in subcutaneous sponge implants in normal and lathyrus rats. Dasler W, et al. *Metabolism* 13:579-82, Jun 64  
 Calciphylaxis and the calcification of ivalon sponge implants. Armstrong RG. *Surg Forum* 15:64-5, 1964

## PONS

Fetal spongioblastoma. Duckett S, et al. *J Neuropath Exp Neurol* 23:560-4, Jul 64

## POPLITEAL ARTERY

Femoropopliteal endarterectomy: operative modifications and consideration of effects of outflow lesions. Wylie EJ, et al. *Amer J Surg* 108:215-23, Aug 64  
 Peripheral angiography: a clinical evaluation. Rose S. *Vasc Dis* 1:64-76, Jan 64

## POPULATION

Biological aspects of social problems. *Lancet* 2:856-8, 17 Oct 64  
 Food for thought. Presidential address. Latsky JM. *S Afr Med J* 38:664-8, 22 Aug 64  
 Population explosion--the challenge before agriculture. Hulme SA. *S Afr Med J* 38:623-5, 22 Aug 64

## PORPHYRIA

The porphyrin content of skin. Pathak MA, et al. *J Invest Derm* 43:119-20, Aug 64  
 Present status of the ehrlich Aldehyde reaction for urinary porphobilinogen. Watson CJ, et al. *JAMA* 190:501-4, 9 Nov 64  
 Guanethidine in familial porphyria. Wahlberg P. *Lancet* 2:817-8, 10 Oct 64  
 Enzymes and drug sensitivity. Drug and enzyme interactions in porphyrias. Rimington C. *Proc Roy Soc Med* 57:511-4, Jun 64

## PORPHYRINS

The porphyrin content of skin. Pathak MA, et al. *J Invest Derm* 43:119-20, Aug 64  
 Present status of the ehrlich Aldehyde reaction for urinary porphobilinogen. Watson CJ, et al. *JAMA* 190:501-4, 9 Nov 64  
 Enzymes and drug sensitivity. Drug and enzyme interactions in porphyrias. Rimington C. *Proc Roy Soc Med* 57:511-4, Jun 64  
 Oxygen uptake and cardiovascular response of mice and rabbits administered "hematoporphyrin". Modell J, et al. *Proc Soc Exp Biol Med* 116:395-9, Jun 64  
 Some antagonistic effects of "hematoporphyrin" and protoporphyrin in mice. Modell J, et al. *Proc Soc Exp Biol Med* 116:399-402, Jun 64  
 The mechanism and treatment of verdoglobulinuria in *Pseudomonas sepsis*. Stone HH, et al. *Surg Forum* 15:48-9, 1964

## PORTACAVAL ANASTOMOSIS

Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. Redeker AG, et al. *J Clin Invest* 43:1464-71, Jul 64  
 Reduction of serum lipids following portacaval



transposition in diabetic dogs. Waddell WR, et al. *Metabolism* 13:562-71, Jun 64

Changes in plasma proteins after portacaval shunt in the rat Kennan AL

*Proc Soc Exp Biol Med* 116:543-4, Jun 64

Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. Smith RB 3d, et al.

*Surg Forum* 15:98-9, 1964

Ammonia metabolism with variations in portal venous diversion. Foster JH, et al. *Surg Forum* 15:105-8, 1964

The role of portal systemic shunting in experimental ammonia intoxication. Kirsh MM, et al.

*Surg Forum* 15:100-1, 1964

Liver deglycogenation after portacaval transposition. Sexton AW, et al. *Surg Forum* 15:120-2, 1964

## PORTAL SYSTEM

Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. Redeker AG, et al.

*J Clin Invest* 43:1464-71, Jul 64

## POSITIVE-PRESSURE RESPIRATION

CNS disorder during mechanical ventilation in chronic pulmonary disease. Rotheram EB Jr, et al.

*JAMA* 189:993-6, 28 Sep 64

## POSTGASTRECTOMY SYNDROMES

Gastrointestinal resections and malabsorption. Larmi TK. *Ann Chir Gynaec Fenn* 53:315-27, 1964

## POSTOPERATIVE CARE

Postoperative prophylactic anticoagulants in gynaecology. A ten-year study. Bottomley JE, et al. *Lancet* 2:835-6, 17 Oct 64

A cough-belt to prevent and treat postoperative pulmonary complications. Barlow D.

*Lancet* 2:736, 3 Oct 64

Dressings, splints and postoperative care in hand surgery. Moberg E. *Surg Clin N Amer* 44:941-9, Aug 64

## POSTOPERATIVE COMPLICATIONS

Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. Popper RW, et al.

*Amer Heart J* 68:32-7, Jul 64

Hypotension and coronary disease. Osborn GR.

*Amer Heart J* 68:135-7, Jul 64

Untoward sequelae eleven months following stapedectomy. Wolff D. *Ann Otol* 73:297-304, Jun 64

Bilateral malignant glaucoma. Case report of simultaneous malignant glaucoma occurring three years after glaucoma surgery. Hoshiwara I.

*Arch Ophthalmol (Chicago)* 72:601-3, Nov 64

Bacterial endophthalmitis after cataract extraction. A study of 22 infections in 20,000 operations. Allen HF, et al. *Arch Ophthalmol (Chicago)* 72:454-62, Oct 64

Recurrent appendicitis. Incidence and prophylaxis. Befeler D. *Arch Surg (Chicago)* 89:666-8, Oct 64

Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. Williams KR, et al. *Arch Surg (Chicago)* 89:663-5, Oct 64

Postoperative suppurative parotitis. Lary BG.

*Arch Surg (Chicago)* 89:653-5, Oct 64

Bone formation in abdominal scars after xiphoidectomy. Watkins GL.

*Arch Surg (Chicago)* 89:731-4, Oct 64

Postgastrectomy internal hernia. Larsen RR, et al.

*Arch Surg (Chicago)* 89:725-30, Oct 64

Hypotony following cycloidalysis. Miller SJ.

*Brit J Ophthalmol* 47:211-4, Apr 63

Pre-placed versus post-placed corneo-scleral sutures in cataract surgery. Singh D.

*Brit J Ophthalmol* 47:116-22, Feb 63

Corneal opacity after partial lamellar keratectomy. Mortada A. *Brit J Ophthalmol* 47:45-9, Jan 63

Clinical experiences with acetylcysteine as a mucolytic agent. Poppe JK. *Dis Chest* 46:66-9, Jul 64

Uncomplicated total anomalous pulmonary venous return below the diaphragm. Report of a case. Faisetti HL, et al. *Dis Chest* 46:102-6, Jul 64

Thiethylperazine in the management of postoperative nausea and vomiting. Paddock RB.

*J Int Coll Surg* 42:387-95, Oct 64

Experimental postoperative cerebral edema. Mann FD, et al. *J Neurosurg* 20:687-91, Aug 63

Retinal artery embolism: a complication of carotid endarterectomy. Shillito J Jr, et al.

*J Neurosurg* 20:718-20, Aug 63

Epidural hematoma as complication of ventricular drainage. Report of a case and review of literature. Higazi I. *J Neurosurg* 20:527-8, Jun 63

Bony spicule piercing the pumping device for shunting cerebrospinal fluid. Jakoby RK.

*J Neurosurg* 20:523, Jun 63

A case of meningitis due to *Clostridium welchii*. Willis AT, et al. *J Path Bact* 88:312-4, Jul 64

Late results of transurethral prostatectomy. Holtgrewe HL, et al. *J Urol* 92:51-5, Jul 64

Treatment of acute hypertensive crises in surgical patients. Baldini E, et al. *JAMA* 190:157-8, 12 Oct 64

Spinal or general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. Urbach KF, et al.

*JAMA* 190:25-9, 5 Oct 64

Mortality and morbidity in surgical patients with coronary artery disease. Arkins R, et al.

*JAMA* 190:485-8, 9 Nov 64

Postoperative prophylactic anticoagulants in gynaecology. A ten-year study. Bottomley JE, et al. *Lancet* 2:835-6, 17 Oct 64

A cough-belt to prevent and treat postoperative pulmonary complications. Barlow D.

*Lancet* 2:736, 3 Oct 64

Cholecystitis following gastric surgery. Griffiths JM, et al. *Lancet* 2:780-2, 10 Oct 64

Anti-heart antibodies in the postpericardiotomy and the postmyocardial-infarction syndromes. Geld H van der. *Lancet* 2:617-21, 19 Sep 64

Cancer risk in ulcerative colitis. Aylett S.

*Lancet* 2:820, 10 Oct 64

Incidence of complications in cosmetic rhinoplasties. Klabunde EH, et al.

*Plast Reconstr Surg* 34:192-6, Aug 64

[Postoperative hemobilia] Flabeau F, et al.

*Presse Med* 72:2381-4, 3 Oct 64 (Fr)

## POSTURE

Statometric studies on patients operated upon for slipped disc in the lumbar region. Hansen JW.

*Acta Orthop Scand* 34:225-38, 1964

Episcleral venous pressure in tonography. Leith AB.

*Brit J Ophthalmol* 47:271-8, May 63

Renal hemodynamics: effect of gravity on sodium and water excretion. Stahl WM. *Surg Forum* 15:13-4, 1964

## POTASSIUM

Stop-flow analysis of the influence of pCO<sub>2</sub> on renal tubular transport of K and H. Ramsay AG.

*Amer J Physiol* 206:1355-60, Jun 64

Electrolyte and nitrogen changes in skeletal muscle of developing rats. Vernadakis A, et al.

*Amer J Physiol* 206:1365-8, Jun 64

Control of aldosterone secretion by change of body potassium in normal man. Gann DS, et al.

*Amer J Physiol* 207:104-8, Jul 64

Potassium exchange in frog sartorius muscle. Gourley DR. *Amer J Physiol* 206:1340-6, Jun 64

Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al.

*Amer J Physiol* 207:71-6, Jul 64

Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. Eisalo A, et al.

*Ann Chir Gynaec Fenn* 53:389-93, 1964

Geophagia with iron deficiency and hypokalemia. Cachexia africana. Mengel CE, et al.

*Arch Intern Med (Chicago)* 114:470-4, Oct 64

Studies on magnesium in ruminant nutrition. 5. The indirect determination of the intake of magnesium, calcium and potassium by the grazing cow. Field AC.

*Brit J Nutr* 18:357-68, 1964

Avoidance of side-reactions and loss of drug efficacy during long-term administration of carbonic anhydrase inhibitors by concomitant supplemental electrolyte administration. Draeger J, et al.

*Brit J Ophthalmol* 47:457-68, Aug 63

Electrical quiescence of pulmonary artery smooth muscle during sympathomimetic stimulation. Su C, et al.

*Circ Res* 15:26-7, Jul 64

The action of aldosterone and ouabain on the sodium and potassium content of the cortex and papilla of rat kidney in vitro. Platts MM. *Clin Sci* 26:405-14, Jun 64

Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64

Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64

Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64

Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64

Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. Urquhart J, et al. *J Clin Invest* 43:1355-66, Jul 64

Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64

Effects of potassium on ram spermatozoa during chilling to and storage at 5 degrees C. O'Shea T, et al.

*J Reprod Fertil* 8:121-32, Aug 64

Changes of blood elements and the circulatory system in climbing. II. Sumiyoshi K, et al.

*Jap Circ J* 28:641-8, Sep 64

Changes of blood elements and the circulatory system

in climbing. 3. Sumiyoshi K, et al.

*Jap Circ J* 28:669-75, Sep 64

Effects of pilocarpine on exchange of K<sup>42</sup> in slices of submaxillary gland. Schneyer LH, et al.

*Proc Soc Exp Biol Med* 116:813-7, Jul 64

Relationship of potassium ion transport to metabolism in acid-induced fermentation in yeast. Scharff TG.

*Proc Soc Exp Biol Med* 116:675-7, Jul 64

Effect of Na<sup>+</sup> and K<sup>+</sup> on the adenylate kinase of human erythrocytes. Askari A, et al.

*Proc Soc Exp Biol Med* 116:751-3, Jul 64

Follicular fluid electrolytes in ovulation. Rondell PA.

*Proc Soc Exp Biol Med* 116:336-9, Jun 64

The sodium and potassium contents of South African foodstuffs, with special reference to low-sodium diets and potassium supplementation. Bernstein RE.

*S Afr Med J* 38:673-6, 22 Aug 64

Correlation between total exchangeable potassium and resting energy expenditure. Lister J, et al.

*Surg Forum* 15:83-4, 1964

Effect of hyperbaric oxygenation on hepatic inflow occlusion. Jacobsen DS, et al.

*Surg Forum* 15:198-200, 1964

Metabolic studies in toxemia of pregnancy. Goodrich SM, et al. *Surg Forum* 15:378-9, 1964

## POTASSIUM DEFICIENCY

A micropuncture study of the renal concentrating defect of potassium depletion. Bank N, et al.

*Amer J Physiol* 206:1347-54, Jun 64

Hypokalemic nephropathy of vomiting. Galloway NC, et al. *Southern Med J* 57:1303-8, Nov 64

[Colonic tumors and mineral metabolism disorder] Schulze E. *Deutsch Med Wschr* 89:1482, 31 Jul 64 (Ger)

## POULTRY

Neurohypophysial hormones of chickens and turkeys. Munsick RA. *Endocrinology* 75:104-12, Jul 64

## POWDERS

Production of submicronic powder by spray-freezing. Werly EF, et al.

*Arch Environ Health (Chicago)* 9:567-71, Nov 64

## PRALIDOXIME COMPOUNDS

Organic phosphorus poisoning and therapy. Molphy R, et al. *Med J Aust* 2:337-40, 29 Aug 64

## PRECIPITINS

Antigenic characteristics of spermatozoa from bulls, rams and boars. 3. Absorption analysis, precipitins and fructolysis in relation to the antigenicity of bull spermatozoa. Matousek J.

*J Reprod Fertil* 8:13-21, Aug 64

## PREDNISOLONE

Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al.

*Acta Endocr (Kobenhavn)* 47:Suppl 93:3-27, 1964

An electrophoretic study of human erythrocytes, incubated with corticosteroids and sulfhydryl reaction substances. Agarwal KN, et al.

*Acta Endocr (Kobenhavn)* 47:Suppl 93:53-8, 1964

Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation of some of the esters. Agarwal KN, et al.

*Acta Endocr (Kobenhavn)* 47:Suppl 93:37-52, 1964

Lack of effect of corticosteroids on the in vivo disappearance of sulfhydryl-inhibited and antibody-coated erythrocytes. Agarwal KN.

*Acta Endocr (Kobenhavn)* 47:Suppl 93:28-36, 1964

Leukocytosis during corticosteroid therapy. Biörck G, et al. *Acta Med Scand* 178:127-8, Jul 64

Optic neuritis in measles. Srivastava SP, et al.

*Brit J Ophthalmol* 47:180-1, Mar 63

Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. Lerner LJ, et al.

*Proc Soc Exp Biol Med* 116:385-8, Jun 64

Bioassay of adrenocorticosteroids by the dog eosinophil response. Tonelli G, et al.

*Proc Soc Exp Biol Med* 116:501-6, Jun 64

Experimental caustic burns of the esophagus. Bachman K, et al. *Surg Forum* 15:307-8, 1964

## PREDNISOLONE, THERAPEUTIC

The effect of steroid therapy on normal and abnormal atrio-ventricular conduction. Dall JL.

*Brit Heart J* 26:537-43, Jul 64

Urinary excretion of prednisolone after intrarectal therapy in ulcerative colitis. Wood WA, et al.

*Brit Med J* 5416:1045-6, 24 Oct 64

Buerger's disease. Kamiya K. *Vasc Dis* 1:186-202, Jul 64



## PREDNISONE

- Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. Wilson H, et al.  
*Acta Endocr (Copenhagen)* 46:197-208, Jun 64
- The ability of certain adrenocortical hormones to potentiate the vasoconstrictor action of nor-adrenaline on the conjunctival vessels in the rabbits and in man. Lepri G, et al.  
*Brit J Ophthalmol* 48:205-8, Apr 64
- Studies with the murine leukemogenic Rauscher virus. 3. An in vivo assay for anti-viral agents. Chirigos MA.  
*Cancer Res* 24:1035-41, Jul 64
- Attempts at growth of Mycobacterium leprae in footpads of mice and guinea-pigs. Kirchheimer WF.  
*Int J Leprosy* 32:9-17, Jan-Mar 64
- Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. Lerner LJ, et al.  
*Proc Soc Exp Biol Med* 116:385-8, Jun 64
- Antigen-antibody reactions involved in transplantation phenomena. Burrows L, et al.  
*Surg Forum* 15:135-7, 1964

## PREDNISONE, THERAPEUTIC

- Poststeroid panniculitis. Report of a case and review of the literature. Roenigk HH Jr, et al.  
*Arch Derm (Chicago)* 90:387-91, Oct 64
- Recurrent nephrotic syndrome. Shearn MA, et al.  
*Arch Intern Med (Chicago)* 114:525-9, Oct 64
- Treatment of herpes zoster with high doses of prednisone. Elliott FA. *Lancet* 2:610-1, 19 Sep 64
- Severe flushing reactions responsive to steroids in patients with bronchial carcinoma. Sjoerdsma A, et al.  
*Lancet* 2:791-2, 10 Oct 64
- Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al.  
*New Eng J Med* 271:1021-7, 12 Nov 64

## PREDNISONE TOXICOLOGY

- Diabetic acidosis secondary to steroid therapy. Biereau RP, et al. *New Eng J Med* 271:836, 15 Oct 64

## PREGNANCY

- Effect of pregnancy and of the menstrual cycle on hypoparathyroidism. Graham WP 3d, et al.  
*J Clin Endocr* 24:512-6, Jun 64
- The physiology of the human round ligament. Mahran M, et al. *J Obstet Gynaec Brit Comm* 71:374-8, Jun 64
- The expansile behaviour of the human uterus. Wood C.  
*J Obstet Gynaec Brit Comm* 71:615-20, Aug 64
- Physiology of uterine contractions. Wood C.  
*J Obstet Gynaec Brit Comm* 71:360-73, Jun 64
- Serum lipid pattern in normal pregnancy and pre-eclampsia. Kontinen A, et al.  
*J Obstet Gynaec Brit Comm* 71:453-8, Jun 64
- Virologic assistance in the management of German measles in pregnancy. Plotkin SA.  
*JAMA* 190:265-8, 26 Oct 64
- Staphylococcal pneumonia. Jewett JF.  
*New Eng J Med* 271:848-9, 15 Oct 64
- Transfusion syndrome in multiple pregnancy. Conway CF. *Obstet Gynec* 23:745-51, May 64
- Erythrocyte triiodothyronine uptake test in obstetrics and gynecology. Gitman L, et al.  
*Obstet Gynec* 23:662-8, May 64
- Combined intra- and extrauterine pregnancy. Report of a case. George WD, et al.  
*Obstet Gynec* 23:778-9, May 64
- The incompetent cervix: a survey of survivors. Goldstein PJ, et al. *Obstet Gynec* 23:752-6, May 64
- Postobstetric genitourinary-tract fistula. A report of 38 cases in a West African community. Longo LD.  
*Obstet Gynec* 23:768-73, May 64
- Obstetrics in adolescents: a controlled study of deliveries by mothers 15 years of age and under. Huika JF, et al. *Obstet Gynec* 23:678-85, May 64
- Biosynthesis of estrogens in pregnancy: precursor role of plasma dehydroisoandrosterone. Warren JC, et al.  
*Obstet Gynec* 23:689-98, May 64
- Response to lettuce in a patient with megaloblastic anaemia associated with pregnancy. Baumslag N, et al. *S Afr Med J* 38:611-3, 15 Aug 64

## PREGNANCY, ABDOMINAL

- Application of thermography to the problem of placental localization: preliminary communication. Young RJ. *Brit Med J* 5415:978-81, 17 Oct 64
- Abdominal pregnancy: Pitfall and paradox. Barnett RV, et al. *Southern Med J* 57:1288-93, Nov 64

## PREGNANCY, ANIMAL

- Mouse cytomegalovirus infection. 3. Attempts to produce intrauterine infections. Medearis DN Jr.  
*Amer J Hyg* 80:113-20, Jul 64
- Effect of pregnancy on spontaneous leukaemia in mice. Lemonde P. *Brit J Cancer* 18:317-21, Jun 64
- Growth of rats from normal dams restricted in diet in

- previous pregnancies. Chow BF.  
*J Nutr* 83:289-92, Aug 64
- Some pituitary-ovarian relationships in the periparturient cow. Labhsetwar AP, et al.  
*J Reprod Fertil* 8:85-90, Aug 64
- Effects of thalidomide on pregnancy in the rabbit. Hay MF. *J Reprod Fertil* 8:59-76, Aug 64

## PREGNANCY COMPLICATIONS

- Lead poisoning during pregnancy. Fetal tolerance of calcium disodium edetate. Angle CR, et al.  
*Amer J Dis Child* 108:436-9, Oct 64
- Spinal cord compression due to vertebral angiomas during pregnancy. Nelson DA.  
*Arch Neurol (Chicago)* 11:408-13, Oct 64
- The risk of mental subnormality and cerebral palsy. Illingworth RS. *Clin Pediat (Phila)* 3:439-42, Jul 64
- A comparison between vaginal cytology and urinary hormone excretion during pregnancy. MacRae DJ, et al. *J Obstet Gynaec Brit Comm* 71:586-98, Aug 64
- Cancer in pregnancy. Cade S.  
*J Obstet Gynaec Brit Comm* 71:341-8, Jun 64
- Naegle pelvis. A study of 17 cases. Chan DP, et al.  
*J Obstet Gynaec Brit Comm* 71:464-8, Jun 64
- A teratoma of the placenta. Fox H, et al.  
*J Path Bact* 88:137-40, Jul 64
- Neonatal tetany secondary to maternal hyperparathyroidism. Mizrahi A, et al.  
*JAMA* 190:155-6, 12 Oct 64
- Pheochromocytoma in the mesosigmoid following term delivery. Wulsin JH. *JAMA* 190:242-4, 19 Sep 64
- Production of the generalized Schwartzman reaction in pregnant rats by intravenous infusion of thrombin. Margaretten W, et al. *Lab Invest* 13:552-9, Jun 64
- Uterine rupture. A 30-year survey. Donnelly JP, et al.  
*Obstet Gynec* 23:774-7, May 64
- Spontaneous rupture of the liver during pregnancy. A report of 2 cases. Yen SS.  
*Obstet Gynec* 23:783-7, May 64
- Spontaneous pneumothorax at term. Report of a case. Jonas G. *Obstet Gynec* 23:799-801, May 64
- Polynephritis of pregnancy effectively managed with dilantin. Report of a case. Wolnisky C.  
*Obstet Gynec* 23:802-3, May 64
- Arrhenoblastoma. Review of the literature and report of a case. Fontana AL, et al.  
*Obstet Gynec* 23:730-4, May 64
- Deformities produced by operations on the rabbit fetus. Spencer DM, et al. *Surg Forum* 15:441-2, 1964
- Uterine reimplantation in dogs. Hamernik RJ, et al.  
*Surg Forum* 15:383-5, 1964

## PREGNANCY COMPLICATIONS,

### CARDIOVASCULAR

- Pathological anatomy of acute hypertension of pregnancy. McCartney CP.  
*Circulation* 30:Suppl 2:37-42, Aug 64
- Myocardial infarction in pregnancy. Case report. Bedford JR.  
*J Obstet Gynaec Brit Comm* 71:459-60, Jun 64
- The inferior vena cavaogram in pregnancy. Radiological aspects. Samuel E. *Proc Roy Soc Med* 57:702-4, Aug 64
- Clinical implications of inferior vena caval occlusion in pregnancy. Kerr MG.  
*Proc Roy Soc Med* 57:705-6, Aug 64
- Inferior vena cava caval occlusion in late pregnancy. Scott DB. *Proc Roy Soc Med* 57:705, Aug 64
- [Delivery in a patient with artificial pacemaker in the heart] Büchner C, et al.  
*Deutsch Med Wschr* 89:1932-3, 9 Oct 64 (Ger)

## PREGNANCY COMPLICATIONS,

### HEMATOLOGIC

- Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al.  
*Brit Med J* 5417:1108-11, 31 Oct 64
- Vitamin-K deficiency in early pregnancy. Bailey P. *Brit Med J* 5418:1199, 7 Nov 64
- Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. Fleming AF, et al.  
*Brit Med J* 5417:1108-11, 31 Oct 64
- Thrombocytopenia and megaloblastic anaemia of pregnancy. Jenkins GC, et al.  
*J Obstet Gynaec Brit Comm* 71:609-14, Aug 64
- The role of folic acid in pregnancy; with particular reference to anaemia, abortion and abortion. Hibbard BM.  
*J Obstet Gynaec Brit Comm* 71:529-42, Aug 64
- Spectrophotometric analysis of amniotic fluid in erythroblastosis fetalis. Lewis F, et al.  
*JAMA* 190:195-8, 19 Sep 64

## PREGNANCY COMPLICATIONS,

### INFECTIOUS

- Prevalence of *Listeria agglutinins* in obstetric and gynaecologic patients. Grönroos JA, et al.  
*Ann Chir Gynaec Fenn* 53:377-82, 1964

- Rubella and termination of pregnancy.  
*Brit Med J* 5416:1075-6, 24 Oct 64
- Virologic assistance in the management of German measles in pregnancy. Plotkin SA.  
*JAMA* 190:265-8, 26 Oct 64
- Failure of erythromycin estolate therapy in in utero syphilis. South MA, et al. *JAMA* 190:70-1, 5 Oct 64
- Rubella during pregnancy. Kampmeier RH.  
*Southern Med J* 57:1380-1, Nov 64
- [Staphylococci in the newborn nursery] Klenitz M, et al. *Deutsch Med Wschr* 89:1744-51, 11 Sep 64 (Ger)

## PREGNANCY, ECTOPIC

- Combined intra- and extrauterine pregnancy. Report of a case. George WD, et al.  
*Obstet Gynec* 23:778-9, May 64
- Ectopic pregnancy: an increasing social disease? Zelenik JS. *Obstet Gynec* 23:810-2, May 64

## PREGNANCY IN DIABETES

- Congenital malformations and maternal diabetes. Dunn PM. *Lancet* 2:644-5, 19 Sep 64
- Review of management of pregnancy complicated by diabetes and altered carbohydrate metabolism. Pedowitz P, et al. *Obstet Gynec* 23:716-29, May 64
- [Apropos of the procedure to follow in the case of newborn infants of diabetic mothers] Thoyer-Rozat J, et al. *Presse Med* 72:2541-2, 17 Oct 64 (Fr)

## PREGNANCY, MULTIPLE

- Chorionic gonadotropin levels in triplet gestation. Report of 2 cases. Jacobowitz WE.  
*Obstet Gynec* 23:788-92, May 64
- Perinatal mortality in twin pregnancy. Klein J.  
*Obstet Gynec* 23:738-44, May 64

## PREGNANCY, PROLONGED

- Prolonged pregnancy associated with increase in serum oxytocinase. Lambrinopoulos TC.  
*Obstet Gynec* 23:780-2, May 64

## PREGNANCY TESTS

- Modified immunologic test for pregnancy. Henry JB, et al. *Amer J Clin Path* 42:109-13, Jul 64

## PREGNANCY TOXEMIAS

- Systemic and regional hemodynamic alterations in toxemia. Assali NS, et al.  
*Circulation* 30:Suppl 2:53-62, Aug 64
- Clinical hemodynamics and pharmacodynamics of toxemia. Finnerty FA Jr.  
*Circulation* 30:Suppl 2:63-5, Aug 64
- Pathological anatomy of acute hypertension of pregnancy. McCartney CP.  
*Circulation* 30:Suppl 2:37-42, Aug 64
- Long-range incidence and clinical relationship of toxemias of pregnancy to hypertensive vascular disease. Tillman AJ.  
*Circulation* 30:Suppl 2:76-9, Aug 64
- Renal biopsy and its clinical correlation in toxemia of pregnancy. Altechek A.  
*Circulation* 30:Suppl 2:43-51, Aug 64
- Clinical significance of the pathology of toxemia of pregnancy. McKay DG.  
*Circulation* 30:Suppl 2:66-75, Aug 64
- Similarities between clinical toxemia of pregnancy and experimental hypertension. A survey. Tobian L.  
*Circulation* 30:Suppl 2:80-95, Aug 64
- A clinical evaluation of benzodiazepines in the management of toxemia of pregnancy. Lecart C, et al.  
*Curr Ther Res* 6:357-62, May 64
- Serum lipid pattern in normal pregnancy and pre-eclampsia. Kontinen A, et al.  
*J Obstet Gynaec Brit Comm* 71:453-8, Jun 64
- Spontaneous rupture of the liver during pregnancy. A report of 2 cases. Yen SS.  
*Obstet Gynec* 23:783-7, May 64
- Cesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases. Alexander JA, et al.  
*Southern Med J* 57:1282-7, Nov 64

## PREGNANEDIOL

- The urinary excretion of pregnanediol and pregnanetriol in the polycystic ovary (Stein-Leventhal) syndrome. Lanthier A, et al.  
*Acta Endocr (Copenhagen)* 46:245-55, Jun 64
- Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al.  
*J Clin Endocr* 24:517-27, Jun 64
- A comparison between vaginal cytology and urinary hormone excretion during pregnancy. MacRae DJ, et al. *J Obstet Gynaec Brit Comm* 71:586-98, Aug 64



## PREJUDICE

Discrimination against Negroes in hospitals. Seham M. *New Eng J Med* 271:940-3, 29 Oct 64  
 A comment on the segregated learning situation as an insulating device for the Negro child. Holland FN. *Psychiatry* 27:301-3, Aug 64

## PRENATAL INFLUENCES

[Does hunger during infancy inhibit brain growth and development of intelligence?] Harnack GA von. *Deutsch Med Wschr* 89:1957-8, 9 Oct 64 (Ger)

## PREOPERATIVE CARE

Wound infections: inoculum versus medium. Zimmerman JM, et al. *Surg Forum* 15:62-4, 1964

## PRESSORECEPTORS

The effect of carotid occlusion and central vagal stimulation on the free fatty acids of plasma and the blood pressure in the dog. Fröberg S, et al. *Acta Med Scand* 176:65-71, Jul 64  
 A proposed differentiated neuro-effector organization in muscle resistance vessels. Folkow B, et al. *Angiologica (Basel)* 1:197-208, 1964  
 Circulatory reflexes in patients with cerebrovascular disease. Appenzeller O, et al. *New Eng J Med* 271:820-3, 15 Oct 64

## PREVENTIVE MEDICINE

An exercise in the costs of medical care. Lewis CE. *Arch Environ Health (Chicago)* 9:581-4, Nov 64  
 The training of the physician. Education and training in preventive medicine and public health. Langmuir AD. *New Eng J Med* 271:772-4, 8 Oct 64  
 Public persuasion in health matters with particular reference to smoking. *Proc Roy Soc Med* 57:449-58, Jun 64

## PRIAPISM

Priapism: case report and review of mechanism. Boerema WJ. *Med J Aust* 2:340-1, 29 Aug 64

## PRIMATES

A note on the cutaneous arterial vessels of some primates. Baccaredda-Boy A. *Angiologica (Basel)* 1:209-12, 1964

## PROCAINE

Metabolism of procaine in cerebrospinal fluid contaminated with blood. Schmidt KF. *Anesthesiology* 25:563-4, Jul-Aug 64  
 Quinine amblyopia treated by stellate ganglion block. McLenachan J. *Brit J Ophthalmol* 47:62-3, Jan 63  
 Factors influencing renal blood flow during isolated perfusion. Belzer FO, et al. *Surg Forum* 15:222-4, 1964  
 The treatment of cerebrovascular insufficiency by intravenous procaine and antihistamine compound. Rosner S. *Vasc Dis* 1:214-5, Jul 64

## PROCAINE AMIDE

Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64

## PROCHLORPERAZINE

Tracer studies on a transplantable hamster melanoma. Potts AM. *Arch Ophthalmol (Chicago)* 72:359-64, Sep 64  
 Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. *Curr Ther Res* 6:331-9, May 64  
 An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. *Proc Roy Soc Med* 57:758-62, Aug 64

## PROCTOLOGY

[Preliminary clinical trials of Ro 4-61-61 in gastroenterology and proctology] Pradel E. *Presse Med* 72:2113-4, 29 Aug 64 (Fr)

## PROGESTATIONAL HORMONES

Biologic effects of melengestrol acetate. Duncan GW, et al. *Fertil Steril* 15:416-32, Jul-Aug 64  
 Clinical, morphological and biochemical studies on a malignant testicular tumor. Engel FL, et al. *J Clin Endocr* 24:528-42, Jun 64  
 Varieties of adrenal hyperplasia in children. Barratt TM, et al. *Proc Roy Soc Med* 57:527-9, Jun 64  
 Effect of 7-alpha-methylation on biological activities on norethindrone. Duncan GW, et al. *Proc Soc Exp Biol Med* 116:800-2, Jul 64

## PROGESTERONE

Effect of intra-amniotic administration of progesterone and 6-methyl-17-acetoxy-progesterone on oxytocin-induced labour in rabbits. Fuchs AR. *Acta Endocr (Kobenhavn)* 46:235-44, Jun 64  
 Some aspects of steroid biosynthesis in human ovarian tissue. Forleo R, et al. *Acta Endocr (Kobenhavn)* 46:265-78, Jun 64  
 Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation of some of the esters. Agarwal KN, et al. *Acta Endocr (Kobenhavn)* 47:Suppl 93:37-52, 1964  
 In vitro studies on mouse mammary gland response to hormonal treatment. Ranadive KJ, et al. *Brit J Cancer* 18:308-11, Jun 64  
 Hormonal influence in simple glaucoma. A preliminary report. Paterson GD, et al. *Brit J Ophthalmol* 47:129-37, Mar 63  
 Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Freeman JJ, et al. *Endocrinology* 74:990-3, Jun 64  
 Metabolism of 4-14C-progesterone by human fetal testis and ovaries. Bloch E. *Endocrinology* 74:833-45, Jun 64  
 Changes in glycoproteins in serum, urine and aqueous humor after gonadectomy or sex hormone injections in rats. Houssay AB, et al. *Endocrinology* 74:825-32, Jun 64  
 Some biological properties of synthetic 18-hydroxytestosterone. Kagawa CM, et al. *Endocrinology* 74:999-1000, Jun 64  
 Conversion of progesterone-4-14C to 18-hydroxycorticosterone and aldosterone by mouse adrenals in vitro. Raman PB, et al. *Endocrinology* 74:845-9, Jun 64  
 Toxicity of progesterone to mouse fetuses. Petrelli EA, et al. *Endocrinology* 75:145-6, Jul 64  
 Effect of progesterone and oxytocin on the pituitary-ovarian relationship in heifers. Labhsetwar AP, et al. *J Reprod Fertil* 8:77-83, Aug 64  
 Seasonal changes in the occurrence of oestrus following progesterone suppression of ovarian function in the merino ewe. Lamond DR. *J Reprod Fertil* 8:101-14, Aug 64  
 Autoimmune progesterone dermatitis. Cure by oophorectomy. Shelley WB, et al. *JAMA* 190:35-8, 5 Oct 64

## PROLACTIN

In vitro studies on mouse mammary gland response to hormonal treatment. Ranadive KJ, et al. *Brit J Cancer* 18:308-11, Jun 64  
 Differential responsiveness to hormones of C3H and A mouse mammary tissues in organ culture. Rivera EM. *Endocrinology* 74:853-64, Jun 64  
 Observations concerning the hypothalamic control of pituitary luteotrophin secretion in the rat. Flament-Durand J, et al. *Endocrinology* 75:22-6, Jul 64  
 Mammary tumor induction by estrogen or anterior pituitary hormones in ovariectomized rats given 7, 12-dimethyl-1, 2-benzanthracene. Talwalker PK, et al. *Proc Soc Exp Biol Med* 116:531-4, Jun 64  
 In vitro lactogen production by anterior pituitaries from lactating rats and estrous cyclic rats. Gala RR, et al. *Proc Soc Exp Biol Med* 116:637-41, Jul 64

## PROLINE

Proline oxidases in *Hansenula subpelliculosa*. Ling CM, et al. *J Bact* 87:1462-70, Jun 64  
 Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rleser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64  
 Uptake of tritiated proline in regenerating tendon. Lindsay WK, et al. *Surg Forum* 15:459-61, 1964

## PROMAZINE

The use of drug combinations in pediatric psychiatry. Faretra G, et al. *Curr Ther Res* 6:340-3, May 64  
 An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. *Proc Roy Soc Med* 57:758-62, Aug 64

## PROMETHAZINE

The use of mepergan for relief of pain in gynecologic tumor patients. Ullery JC, et al. *Curr Ther Res* 6:385-6, May 64

## PROPANEDIOLS

Propylene glycol aerosolization and the diagnosis of pulmonary histoplasmosis. Singh MD, et al. *Dis Chest* 46:82-4, Jul 64

## PROPERDIN

Serum properdin in tumor-bearing mice. II. The

influence of tumors of different origin. Schwartz EE, et al. *Cancer Res* 24:830-4, Jun 64  
 Serum properdin in tumor-bearing mice. I. Comparison with natural and immune antibodies. Schwartz EE, et al. *Cancer Res* 24:825-9, Jun 64

## PROPYLTHIOURACIL

Renal response of propylthiouracil-treated rats to injected mineralocorticoids. Taylor RE Jr, et al. *Endocrinology* 75:33-41, Jul 64  
 Effect of thyroxine on intake and loss of sodium by propylthiouracil-treated rats. Fregly MJ, et al. *Endocrinology* 75:27-32, Jul 64  
 Thyroxine and antithyrototoxic effects in the chick. Westerfeld WW, et al. *J Nutr* 83:325-31, Aug 64  
 Immunologic inhibition of endogenous or exogenous thyrotropin in various species. Garcia AM, et al. *Proc Soc Exp Biol Med* 116:467-71, Jun 64

## PROSTATE

Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. Kochakian CD. *Acta Endocr (Kobenhavn)* 46:Suppl 92:1-16, 1964  
 The effect of methylcholanthrene on rat prostate glands grown in natural and semi-defined medium. Lasnitzki I. *Cancer Res* 24:973-82, Jul 64

## PROSTATECTOMY

Late results of transurethral prostatectomy. Holtgrewe HL, et al. *J Urol* 92:51-5, Jul 64  
 Response to mannitol under conditions simulating irrigant infusion during transurethral resection. Jones WR, et al. *Surg Forum* 15:483-5, 1964

## PROSTATIC HYPERTROPHY

The value of seromucoid estimation in the management of prostatic disease. Cameron E, et al. *Brit J Urol* 36:257-60, Jun 64

## PROSTATIC NEOPLASMS

The value of seromucoid estimation in the management of prostatic disease. Cameron E, et al. *Brit J Urol* 36:257-60, Jun 64  
 Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64  
 Characterization by immunofluorescence of an ACTH-like substance in nonpituitary tumors from patients with hyperadrenocorticism. Jarett L, et al. *J Clin Endocr* 24:543-9, Jun 64  
 Radioactive phosphorus treatment of bone-metastatic carcinoma of the prostate. Smart JG. *Lancet* 2:882-3, 24 Oct 64  
 Plasma testosterone levels in patients with prostatic carcinoma. Kent JR, et al. *Surg Forum* 15:485-6, 1964  
 Alterations in serum lactic dehydrogenase and its isozymes in patients with prostatic carcinoma after hormonal therapy. Prout GR Jr, et al. *Surg Forum* 15:486-8, 1964

## PROSTATITIS

A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al. *J Amer Geriatr Soc* 12:771-5, Aug 64

## PROSTHESIS

A new stapedectomy prosthesis. Schuknecht HF. *Arch Otolaryng (Chicago)* 80:474, Oct 64  
 Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. Anderson LD, et al. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64  
 Acute fracture of the femoral neck: internal fixation or prosthesis? Boyd HB, et al. *J Bone Joint Surg [Amer]* 46:1066-8, Jul 64  
 Follow-up notes on articles previously published in the Journal. Cineplasty—ten years later. Brav EA, et al. *J Bone Joint Surg [Amer]* 46:1137-8, Jul 64  
 Efficacy of left heart bypass in the treatment of acute heart failure. Chapple JC, et al. *Surg Forum* 15:262-3, 1964  
 Experimental replacement of the common bile duct. Sherman RT, et al. *Surg Forum* 15:371-3, 1964  
 Non-suture thrombus resistant vascular anastomosis rings for organ transplantation. Whiffen JD, et al. *Surg Forum* 15:218-9, 1964  
 Permanently implanted, plastic, auxiliary left ventricle. Nosé Y, et al. *Surg Forum* 15:269-71, 1964

## PROTEIN-BOUND IODINE TEST

Diagnostic value of 131-I in thyroid disorders. A study of 649 patients. Dyrbye MO, et al. *Acta Med Scand* 176:91-101, Jul 64  
 Further report on protein-bound iodine in patients



receiving perphenazine. Oltman JE, et al. *Amer J Psychiat* 121:176-8, Aug 64

The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine. Levy RP, et al. *Metabolism* 13:557-61, Jun 64

Protein bound iodine in the thyroid vein of man. Nora PF, et al. *Surg Forum* 15:79-80, 1964

## PROTEIN DEFICIENCY

Studies on the hemolytic nature of protein-deficiency anemia in the rat. Delmonte L, et al. *Blood* 24:49-68, Jul 64

The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. Weimer HE, et al. *Cancer Res* 24:847-54, Jun 64

Notes on ecologic malnutrition in the New Guinea Highlands. Jelliffe DB, et al. *Clin Pediat (Phila)* 3:432-8, Jul 64

Effect of protein intake on the ribonucleic acid of liver cell sap. Munro HN, et al. *J Nutr* 83:186-92, Jul 64

Observations on the effects of the addition of different levels of sodium chloride to a protein-depletion diet. Thatcher GN, et al. *S Afr Med J* 38:682-4, 22 Aug 64

## PROTEIN-LOSING ENTEROPATHIES

Studies on the serum proteins. VI. Recent advances in clinical interpretation of electrophoretic fractionations. Sunderman FW Jr. *Amer J Clin Path* 42:1-21, Jul 64

## PROTEIN METABOLISM

Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. Kochakian CD. *Acta Endoc (Kobenhavn)* 46:Suppl 92:1-16, 1964

Serum protein turnover in experimental hypo- and hyperthyroidism. Kekki M. *Acta Endoc (Kobenhavn)* 46:Suppl 91:1-137, 1964

Albumin metabolism in cystic fibrosis. Pittman FE, et al. *Amer J Dis Child* 108:360-5, Oct 64

Incorporation of L-lysine-U-C14 into proteins of cryptorchid testis slices. Davis JR, et al. *Amer J Physiol* 207:50-4, Jul 64

The uptake of proteins by normal and tumour cells in vitro. Easty GC, et al. *Brit J Cancer* 18:354-67, Jun 64

The uptake of fluorescent labelled proteins by normal and tumour tissues in vivo. Easty GC. *Brit J Cancer* 18:368-77, Jun 64

The influence of levels of protein and starch in rations of sheep on the utilization of protein. Tagari H, et al. *Brit J Nutr* 18:333-56, 1964

Effect of riboflavin deficiency on bone marrow function and protein metabolism in baboons. Preliminary report. Foy H, et al. *Brit J Nutr* 18:307-18, 1964

Nitrogen balance studies with the milk-fed lamb. 3. Effect of different nitrogen intakes on growth and nitrogen balance. Walker DM, et al. *Brit J Nutr* 18:295-306, 1964

Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Freeman JJ, et al. *Endocrinology* 74:990-3, Jun 64

Cortisol effects on the uterine response to estrogen. Nicolette JA, et al. *Endocrinology* 74:955-9, Jun 64

Separation of the effects of growth hormone on muscle amino acid transport and protein synthesis. Kostyo JL. *Endocrinology* 75:113-9, Jul 64

Effects of thiouracil and of thyroidectomy of liver protein metabolism. Yatvin MB, et al. *Endocrinology* 74:878-84, Jun 64

Effects of aspartate on growth and on the synthesis of alpha-amylase in *Pseudomonas saccharophila*. Eisenstadt JM, et al. *J Bact* 87:1355-63, Jun 64

The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. Madsen J, et al. *J Biol Chem* 239:1305-9, May 64

Urea cycle adaptations in intact and adrenalectomized rats. Freedland RA. *Proc Soc Exp Biol Med* 116:692-6, Jul 64

Quantitative effects of alkyl benzene sulfonate (ABS) on KB cells in tissue culture. Benarde MA, et al. *Proc Soc Exp Biol Med* 116:781-4, Jul 64

Excretion of 1- and 3-methylhistidine by human subjects after oral administration of L-histidine. Block WD, et al. *Proc Soc Exp Biol Med* 116:736-8, Jul 64

Caproic acid analogues to prolong survival of skin homografts. Cramer LM, et al. *Surg Forum* 15:479-80, 1964

[The role of nucleic acids in the mechanism of protein biosynthesis. II.] Gajdos A. *Presse Med* 72:2137-41, 12 Sep 64 (Fr)

[The role of nucleic acids in the mechanism of protein biosynthesis] Gajdos A. *Presse Med* 72:2101-5, 29 Aug 64 (Fr)

## PROTEINS

Tissue copper proteins in Wilson's disease. Intracellular distribution and chromatographic fractionation. Porter H. *Arch Neurol (Chicago)* 11:341-9, Oct 64

Human lens proteins examined by immunochemical and ultracentrifugal techniques. DuPree AL, et al. *Arch Ophthalm (Chicago)* 72:660-6, Nov 64

Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Kalant H, et al. *Cancer Res* 24:570-81, May 64

Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in *Penicillium atrovitum*. Gottlieb D, et al. *J Bact* 88:114-21, Jul 64

The use of lanthanum to study the degradation of a proteopolysaccharide from cartilage. Doganges PT, et al. *J Biol Chem* 239:1498-503, May 64

A pepsin pancreatic digest index of protein quality evaluation. Akeson WR, et al. *J Nutr* 83:257-61, Jul 64

An analysis of melanoprotein from amphiuma liver and from a human liver melanoma. Hack MH, et al. *Proc Soc Exp Biol Med* 116:348-50, Jun 64

## PROTEINURIA

Limitations in clinical use of a screening test for protein. Watson D. *Clin Chem* 10:559-62, Jun 64

Angiotensin skin test and its relation to hypertension in man. Hradcová L, et al. *Helv Paediat Acta* 19:87-98, Jun 64

Endogenous-creatinine clearance and glomerular-filtration rate. Berlyne GM, et al. *Lancet* 2:874-6, 24 Oct 64

## PROTEUS

Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al. *J Clin Path* 17:461-5, Jul 64

## PROTEUS INFECTIONS

The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. Weimer HE, et al. *Cancer Res* 24:847-54, Jun 64

## PROTHROMBIN

Naturally occurring species specific inhibitor of human prothrombin in lupus erythematosus. Hougie C. *Proc Soc Exp Biol Med* 116:359-61, Jun 64

## PRURITUS

Guanethidine and phenoxybenzamine in atopic dermatitis. A clinical trial. Verma BS, et al. *Arch Derm (Chicago)* 90:414-7, Oct 64

The fine art of scratching. Ayres S Jr. *JAMA* 189:1003-7, 28 Sep 64

## PRURITUS ANI

A new treatment for intractable pruritus vulvae and ani. Rubin A. *Obstet Gynec* 23:669-70, May 64

## PRURITUS VULVAE

A new treatment for intractable pruritus vulvae and ani. Rubin A. *Obstet Gynec* 23:669-70, May 64

## PSEUDOHYPOPARATHYROIDISM

EEG study of tetany and spasmodophilia. Roth B, et al. *Electroenceph Clin Neurophysiol* 17:36-45, Jul 64

## PSEUDOMONAS

Effects of aspartate on growth and on the synthesis of alpha-amylase in *Pseudomonas saccharophila*. Eisenstadt JM, et al. *J Bact* 87:1355-63, Jun 64

Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. Beppu M, et al. *J Bact* 88:151-7, Jul 64

Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. Arima K, et al. *J Bact* 88:143-50, Jul 64

Lactic dehydrogenases of *Pseudomonas natriegens*. Walker H, et al. *J Bact* 88:25-30, Jul 64

Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. Arima K, et al. *J Bact* 88:143-50, Jul 64

Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. Beppu M, et al. *J Bact* 88:151-7, Jul 64

Effects of aspartate on growth and on the synthesis of alpha-amylase in *Pseudomonas saccharophila*. Eisenstadt JM, et al. *J Bact* 87:1355-63, Jun 64

Studies on a cholinesterase of *Pseudomonas fluorescens*. 3. Acetyltransferase activity. Fitch WM. *J Biol Chem* 239:1328-34, May 64

Enzymatic omega-oxidation of fatty acids. I. Products

of octanoate, deconate, and laurate oxidation. Kusunose M, et al. *J Biol Chem* 239:1374-80, May 64

Purification and properties of inducible hydroxyproline 2-epimerase from *Pseudomonas*. Adams E, et al. *J Biol Chem* 239:1525-35, May 64

Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al. *J Clin Path* 17:461-5, Jul 64

## PSEUDOMONAS AERUGINOSA

Effect of hydroxyurea on *Pseudomonas aeruginosa*. Gale GR, et al. *Cancer Res* 24:1012-20, Jul 64

Cyanide production by *Pseudomonas aeruginosa*. Goldfarb WB, et al. *Surg Forum* 15:467-9, 1964

## PSEUDOMONAS INFECTIONS

Bacterial endophthalmitis after cataract extraction. A study of 22 infections in 20,000 operations. Allen HF, et al. *Arch Ophthalm (Chicago)* 72:454-62, Oct 64

Hospital infection with *Pseudomonas pyocyanea*. *Brit Med J* 5416:1019-20, 24 Oct 64

The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. Weimer HE, et al. *Cancer Res* 24:847-54, Jun 64

Intravenous administration of sodium colistimethate. Baines RD Jr, et al. *JAMA* 190:278-81, 26 Oct 64

## PSORIASIS

Who will benefit from griseofulvin? Kingery FA. *JAMA* 190:149, 12 Oct 64

Birch pollen and aspirin psoriasis. A study in salicylate hypersensitivity. Shelley WB. *JAMA* 189:985-8, 28 Sep 64

[Fluocinolone acetonide (0.01 per cent) under occlusive dressing: therapeutic value in dermatology of this new product in weak concentration] Bazex A, et al. *Presse Med* 72:2387-8, 3 Oct 64 (Fr)

## PSYCHIATRY

Historical responsibility of the psychiatrist. (Hess R), et al. *Arch Gen Psychiat (Chicago)* 11:355-9, Oct 64

The Washington School of Psychiatry--past dreams and present realities. Kvarnes RG. *Psychiatry* 27:295-300, Aug 64

## PSYCHODRAMA

Instrumented role playing in psychiatric training laboratory. Rothaus P. *Arch Gen Psychiat (Chicago)* 11:400-10, Oct 64

## PSYCHOLOGICAL TESTS

Cognitive deficits and lateral brain dysfunction in temporal lobe epilepsy. Dennerll RD. *Epilepsia (Amst)* 5:177-91, Jun 64

## PSYCHOLOGY, EDUCATIONAL

The observer-observed relationship as information about structure in small-group research; a comparative study of urban elementary school classrooms. Gussow Z. *Psychiatry* 27:230-47, Aug 64

## PSYCHOLOGY, INDUSTRIAL

Early recognition of problem behavior in industry. Himler LE. *Industr Med Surg* 33:564-5, Aug 64

## PSYCHOLOGY, SOCIAL

A comment on the segregated learning situation as an insulating device for the Negro child. Holland FN. *Psychiatry* 27:301-3, Aug 64

## PSYCHOPHARMACOLOGY

Drug treatment in psychiatry. *Lancet* 2:639-40, 19 Sep 64

## PSYCHOSES

Space impostor: an unusual clinical case. Wittenberg BH, et al. *Amer J Psychiat* 121:160-6, Aug 64

Clinical trial of a potentiated diketopiperazine derivative as a psychopharmacological agent for the treatment of psychotic patients. Gerson IM, et al. *Amer J Psychiat* 121:179-81, Aug 64

Further evidence for syndrome-based psychotic types. McNair DM, et al. *Arch Gen Psychiat (Chicago)* 11:368-76, Oct 64

[CB-8089 (benzperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagon C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)

## PSYCHOSES, ALCOHOLIC

Wernicke's syndrome treated with parenteral and oral chlorthalidoxepoxide. Doeff JW, et al. *Amer J Psychiat* 121:183, Aug 64



Alcoholism. Nixon JW, et al.  
*Brit J Clin Pract* 18:383-5, Jul 64  
 Acute water-intoxication from compulsive  
 water-drinking. Bewley TH.  
*Brit Med J* 5413:864, 3 Oct 64

## PSYCHOSES, MANIC-DEPRESSIVE

Depth electrographic observations in two cases of  
 photo-oculoclonic response. Chatrian GE, et al.  
*Electroenceph Clin Neurophysiol* 17:71-5, Jul 64  
 [CB-8089 (benzperidol-fluorinated butyrophenone) in  
 psychomotor agitation states and mental disorders]  
 Chatagion C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)

## PSYCHOSES, PRESENILE

Alzheimer's disease--an electron microscopical study.  
 Kidd M. *Brain* 87:307-20, Jun 64

## PSYCHOSES, SENILE

Old age in Western society. II. Bower HM.  
*Med J Aust* 2:325-32 concl, 29 Aug 64

## PSYCHOSES, TOXIC

Korsakoff-like psychosis associated with  
 benzodiazepine overdosage. Hallberg RJ, et al.  
*Amer J Psychiat* 121:188-9, Aug 64  
 Multiple deficiency state associated with isoniazid  
 therapy. Aspinall DL. *Brit Med J* 5418:1177-8, 7 Nov 64  
 Nutmeg poisoning. Rees JH.  
*Practitioner* 193:80-3, Jul 64

## PSYCHOSOMATIC MEDICINE

Alopecia areata: an apparent relationship to psychic  
 factors. Sandok BA.  
*Amer J Psychiat* 121:184-5, Aug 64  
 [So-called essential benign dorsalgia in young adults]  
 Albouy R, et al. *Presse Med* 72:2515-7, 17 Oct 64 (Fr)

## PSYCHOSURGERY

Lesions on the anterior frontal lobes and disturbances  
 of micturition and defaecation. Andrew J, et al.  
*Brain* 87:233-62, Jun 64  
 [Causes and nature of schizophrenic mental disorders.  
 II. Conclusions from our current knowledge and the  
 importance of therapy] Bleuler M.  
*Deutsch Med Wschr* 89:1947-52, 9 Oct 64 (Ger)

## PSYCHOTHERAPY

Psychiatric work therapy in the Soviet Union. Wortis J,  
 et al. *Amer J Psychiat* 121:123-8, Aug 64  
 Total medical treatment: report of a five-year study.  
 Meyer J, et al. *Amer J Psychiat* 121:129-35, Aug 64  
 Self-treatment of mental illness as suggested in 1834.  
 (Heinroth JC), et al.  
*Amer J Psychiat* 121:193-4, Aug 64  
 Use of group balance as a therapeutic technique.  
 Samuels AS.  
*Arch Gen Psychiat* (Chicago) 11:411-20, Oct 64  
 Selection and treatment of psychiatric outpatients;  
 determined by the their personal and social  
 characteristics. Brown JS, et al.  
*Arch Gen Psychiat* (Chicago) 11:425-38, Oct 64  
 Old age in Western society. II. Bower HM.  
*Med J Aust* 2:325-32 concl, 29 Aug 64  
 [Causes and nature of schizophrenic mental disorders.  
 II. Conclusions from our current knowledge and the  
 importance of therapy] Bleuler M.  
*Deutsch Med Wschr* 89:1947-52, 9 Oct 64 (Ger)

## PUBERTY

Completion of growth in the lower limbs in relation to  
 biological development menarche, and inherited  
 factors. Nordentoft EL.  
*Acta Orthop Scand* 34:213-24, 1964  
 Effects of rhinencephalic lesions on endocrine and  
 somatic development in the rat. Kling A.  
*Amer J Physiol* 208:1395-400, Jun 64

## PUBERTY, PRECOCIOUS

Constitutional isosexual precocious puberty. Effects of  
 medroxyprogesterone acetate therapy. Collipp PJ, et  
 al. *Amer J Dis Child* 108:399-405, Oct 64

## PUBIC BONE

Coexisting hyperparathyroidism and Paget's disease.  
 Martin MM, et al.  
*Arch Intern Med* (Chicago) 114:482-8, Oct 64

## PUBLIC HEALTH

Why don't we tell? *Lancet* 2:797, 10 Oct 64  
 On the distinction between individual and social  
 medicine. Terris M. *Lancet* 2:653-5, 20 Sep 64  
 Opportunities abroad for service in medical education

and public health. Hayes GS.  
*New Eng J Med* 271:993-5, 5 Nov 64  
 Role of schools of public health. Whittenberger JL.  
*New Eng J Med* 271:774-5, 8 Oct 64  
 Observations on brucellosis in Iowa. Hendricks SL, et  
 al. *Public Health Rep* 79:868-70, Oct 64  
 Future health manpower needs in Latin America.  
 Cavanaugh JA. *Public Health Rep* 79:911-6, Oct 64

## PUERPERAL DISORDERS

Post-partum eclampsia complicated by the anterior  
 tibial syndrome. Manson IW.  
*Brit Med J* 5417:1117-8, 31 Oct 64  
 [Puerperal thromboses of the superior longitudinal  
 sinus. (2 cases)] Pallas JA, et al.  
*Presse Med* 72:2265-8, 23 Sep 64 (Fr)  
 [Ovarian insufficiency. Clinical features, therapy and  
 prognosis] Staemmler HJ.  
*Deutsch Med Wschr* 89:1925-32, 9 Oct 64 (Ger)

## PUERPERIUM

Hormonal influence in simple glaucoma. A preliminary  
 report. Paterson GD, et al.  
*Brit J Ophthalmol* 47:129-37, Mar 63  
 Early discharge of maternity patients. Russell CS.  
*Brit Med J* 5418:1196-7, 7 Nov 64  
 Effects of early discharge after hospital confinement.  
 McEwan ED. *Lancet* 2:744-5, 3 Oct 64  
 "The normal puerperium in ten days". Rhodes P.  
*Lancet* 2:746-7, 3 Oct 64  
 Carbohydrate metabolism in pregnancy. V. The  
 interrelations of glucose, insulin and free fatty acids  
 in late pregnancy and post partum. Bleicher SJ, et al.  
*New Eng J Med* 271:866-72, 22 Oct 64

## PULMONARY ARTERY

Vasomotor function of smooth muscle in the main  
 pulmonary artery. Somlyo AV, et al.  
*Amer J Physiol* 208:1196-200, Jun 64  
 Venous oxygenation and circulatory responses to  
 oxygen inhalation in acute anemia. Murray JF.  
*Amer J Physiol* 207:228-34, Jul 64  
 Isolated pulmonary valvular regurgitation complicated  
 by thyrotoxicosis. Marshall RJ, et al.  
*Brit Heart J* 26:572-6, Jul 64  
 Electrical quiescence of pulmonary artery smooth  
 muscle during sympathomimetic stimulation. Su C, et  
 al. *Circ Res* 15:26-7, Jul 64  
 Cardiopulmonary dynamics in patients with  
 anastomosis of the superior vena cava to the right  
 pulmonary artery. Canent RV Jr, et al.  
*Circulation* 30:47-54, Jul 64  
 Tetralogy of Fallot with aortic origin of the left  
 pulmonary artery: radiographic and  
 angiocardiographic considerations. Report of a case.  
 Czarnecki SW, et al. *Dis Chest* 46:97-101, Jul 64  
 Congenital absence of left pulmonary artery with  
 patent ductus arteriosus; treatment by closure of  
 ductus and left pneumonectomy. Steinberg I, et al.  
*JAMA* 190:394-6, 26 Oct 64  
 Gradual closure of aortopulmonary septal defects. Reis  
 RL, et al. *Surg Forum* 15:266-7, 1964

## PULMONARY CIRCULATION

Reflex pulmonary vasoconstriction due to stimulation  
 of the aortic body by nicotine. Stern S, et al.  
*Amer J Physiol* 208:1189-95, Jun 64  
 Drug action on pulmonary circulation of  
 unanesthetized dogs. Rudolph AM, et al.  
*Amer J Physiol* 208:1201-6, Jun 64  
 Effect of volume and volume history of the lungs on  
 pulmonary shunt flow. Anthonisen NR.  
*Amer J Physiol* 207:239-41, Jul 64  
 Changes in shunt flow, compliance, and volume of lungs  
 during apneic oxygenation. Anthonisen NR.  
*Amer J Physiol* 207:235-8, Jul 64  
 Isolated pulmonary valvular regurgitation complicated  
 by thyrotoxicosis. Marshall RJ, et al.  
*Brit Heart J* 26:572-6, Jul 64  
 Distribution of blood flow in isolated lung; relation to  
 vascular and alveolar pressures. West JB, et al.  
*J Appl Physiol* 19:713-24, Jul 64  
 Effect of surface tension on circulation in the excised  
 lungs of dogs. Bruderman I, et al.  
*J Appl Physiol* 19:707-12, Jul 64  
 Influence of carbon dioxide on pulmonary vasculature.  
 Hyde RW, et al. *J Appl Physiol* 19:734-44, Jul 64  
 Alveolar capillary temperature compared with aortic  
 and bronchial wedge temperatures. Edwards AW.  
*J Appl Physiol* 19:760-4, Jul 64  
 Alveolar carbon dioxide equilibria in breath-holding  
 experiments. Barth DS, et al.  
*J Appl Physiol* 19:755-9, Jul 64  
 Effect of negative-pressure breathing on lung  
 mechanics and venous admixture. Velasquez T, et al.  
*J Appl Physiol* 19:665-71, Jul 64  
 Effect of exercise on zonal distribution of pulmonary  
 blood flow. Read J, et al.  
*J Appl Physiol* 19:672-8, Jul 64  
 Pulmonary exchange as related to altered pulmonary

mechanics in anesthetized dogs. Collier CR, et al.  
*J Appl Physiol* 19:659-64, Jul 64  
 Total bypass of the superior vena cava into both lungs.  
 Haller JA Jr, et al. *Surg Forum* 15:264-5, 1964  
 Effects of anesthetic agents on pulmonary vascular  
 resistance during hypoxia. Buckley MJ, et al.  
*Surg Forum* 15:183-4, 1964  
 Relationship between lung distensibility, pulmonary  
 blood flow, and pulmonary blood volume. Roberts LB,  
 et al. *Surg Forum* 15:181-2, 1964  
 Pulmonary vascular responses to hypoxia and their  
 modification by pharmacologic sympathectomy.  
 McLaughlin JS, et al. *Surg Forum* 15:185-6, 1964  
 Pulmonary compliance and pulmonary vascular  
 resistance under hyperbaric conditions. Bernhard  
 WF, et al. *Surg Forum* 15:197-8, 1964  
 Effect of bronchial arterial infusion of  
 mechlorethamine on pulmonary structure in the  
 experimental animal. Hockman RP, et al.  
*Surg Forum* 15:194-6, 1964

## PULMONARY EDEMA

Physiologic effects of chronic exposure to phosgene in  
 dogs. Rossing RG. *Amer J Physiol* 207:265-72, Jul 64  
 Phosgene poisoning as an example of neuromuscular  
 acute pulmonary edema: the sympathetic vasomotor  
 reflex involved. Ivanhoe F, et al.  
*Dis Chest* 46:211-8, Aug 64  
 Effect of low concentrations of ozone on pulmonary  
 function in man. Young WA, et al.  
*J Appl Physiol* 19:785-8, Jul 64  
 Ventilatory mechanics in hypovolemic shock. Cahill JM,  
 et al. *J Appl Physiol* 19:879-82, Jul 64  
 Case records of the Massachusetts General Hospital.  
 Case 55-1964. *New Eng J Med* 271:1061-8, 12 Nov 64  
 Influence of autonomic blockade on aconitine induced  
 pulmonary edema. Wood CD, et al.  
*Proc Soc Exp Biol Med* 116:809-11, Jul 64

## PULMONARY EMBOLISM

Study of hemodynamic factors which alter the  
 sequence of the second heart sound. Boyle J 3d, et al.  
*Amer Heart J* 68:91-7, Jul 64  
 Myocardial blood flow after experimental pulmonary  
 embolism in the intact dog. Guzman SV, et al.  
*Amer Heart J* 68:66-70, Jul 64  
 Mechanism of bronchoconstriction produced by  
 thromboemboli in dogs. Thomas D, et al.  
*Amer J Physiol* 206:1207-12, Jun 64  
 Paradoxical embolism. Corrin B.  
*Brit Heart J* 26:549-53, Jul 64  
 Thromboembolic complications of rheumatic fever in  
 childhood. Streeter RB. *Dis Chest* 46:61-5, Jul 64  
 A histological study of experimental aminotic-fluid and  
 meconium embolism in dogs. Attwood HD.  
*J Path Bact* 88:285-90, Jul 64  
 Clinical pathological conference. The Children's  
 Hospital Medical Center, Boston, Mass. Farber S, et  
 al. *J Pediatr* 65:306-10, Aug 64  
 Postoperative prophylactic anticoagulants in  
 gynaecology. A ten-year study. Bottomley JE, et al.  
*Lancet* 2:835-6, 17 Oct 64  
 Pulmonary embolism. A case successfully treated by  
 embolectomy. Hayward J, et al.  
*Lancet* 2:771-6, 10 Oct 64  
 Systemic hypotension by polybasic polymers. Lyons  
 GW, et al. *Surg Forum* 15:95-7, 1964  
 Hyperbaric oxygenation in massive pulmonary  
 embolism. Attar SM, et al. *Surg Forum* 15:200-2, 1964  
 Pulmonary injury from prolonged oxygenation with  
 venous blood. Rossi NP, et al.  
*Surg Forum* 15:277-9, 1964  
 Bedside hemodynamic diagnosis of acute pulmonary  
 embolism. Del Guercio LR, et al.  
*Surg Forum* 15:192-4, 1964

## PULMONARY EMPHYSEMA

Physiologic effects of chronic exposure to phosgene in  
 dogs. Rossing RG. *Amer J Physiol* 207:265-72, Jul 64  
 Radiopulmonography: a method for simultaneous  
 estimation of regional lung ventilation by  
 transmission of x-rays. Small MJ, et al.  
*Amer Rev Resp Dis* 90:223-30, Aug 64  
 Diffusion impairment in obstructive pulmonary  
 emphysema. Lim TP, et al.  
*Amer Rev Resp Dis* 90:213-22, Aug 64  
 Papilloedema, optic atrophy, and blindness due to  
 emphysema and chronic bronchitis. Freedman BJ.  
*Brit J Ophthalmol* 47:290-4, May 63  
 Actual and predicted-normal red-cell and plasma  
 volumes in primary and secondary polycythemia.  
 Hume R, et al. *Clin Sci* 26:499-508, Jun 64  
 An experimental study of bronchial glands. Goco RV, et  
 al. *Dis Chest* 46:115-20, Aug 64  
 Continuous distribution of specific tidal volume  
 throughout the lung. Gómez DM, et al.  
*J Appl Physiol* 19:683-92, Jul 64  
 The radiological spectrum of aging and emphysematous  
 lungs. Mori PA, et al. *Radiology* 83:48-57, Jul 64  
 [Spastic emphysematous bronchitis and chronic cor



pulmonale] Herberg D, et al.  
**Deutsch Med Wschr** 89:1782-8, 18 Sep 64 (Ger)  
 [Relationship between lung function and the lung field as measured by chest x-ray in 3 phases of respiration in normal young and old subjects and patients with chronic pulmonary emphysema. 2. Aged subjects and patients with chronic pulmonary emphysema]  
 Watanabe S. **Jap Circ J** 28:693-703, Sep 64 (Jap)

## PULMONARY FIBROSIS

Lung changes following cobalt teletherapy for carcinoma of the breast. Papavasiliou C, et al.  
**Clin Radiol** 15:242-5, Jul 64

## PULMONARY HEART DISEASE

The racial incidence of the less common forms of heart disease at Groote Schuur Hospital, Cape Town, 1952-61. Schrire V. S. **Afr Med J** 38:598-601, 15 Aug 64  
 Cardiopulmonary manifestations of rheumatoid disease in childhood. Jordan JD.  
**Southern Med J** 57:1273-7, Nov 64  
 [Scleroderma chronic cor pulmonale] Tourniaire A, et al. **Presse Med** 72:2269-72, 23 Sep 64 (Fr)  
 [Spastic emphysematous bronchitis and chronic cor pulmonale] Herberg D, et al.  
**Deutsch Med Wschr** 89:1782-8, 18 Sep 64 (Ger)  
 [Acute heart infarct and pulmonary stasis. A clinical-roentgenological study] Aschenbrenner R, et al. **Deutsch Med Wschr** 89:1777-81, 18 Sep 64 (Ger)

## PULMONARY STENOSIS

Angiocardiographic measurements in congenital heart disease in infancy and childhood. II. Size of left atrium. Arvidsson H.  
**Acta Radiol [Diagn] (Stockholm)** 2:353-64, Jul 64  
 Surgical aspects of heart disease in infants under the age of two years. Gerbode F, et al.  
**Amer J Surg** 108:224-32, Aug 64  
 The electrocardiogram in pulmonary valve stenosis with intact ventricular septum. Boyle DM, et al.  
**Brit Heart J** 26:477-80, Jul 64  
 Finger-print patterns in congenital heart disease. Sánchez Cascos A. **Brit Heart J** 26:524-7, Jul 64  
 Accuracy of the phonocardiogram in assessing severity of aortic and pulmonic stenosis. Gamboa R, et al.  
**Circulation** 30:35-46, Jul 64  
 Roentgenogram of the month. Kelly E.  
**Dis Chest** 46:227-8, Aug 64  
 Case records of the Massachusetts General Hospital. Case 53-1964. **New Eng J Med** 271:953-9, 29 Oct 64

## PULMONARY VALVE

Isolated pulmonary valvular regurgitation complicated by thyrotoxicosis. Marshall RJ, et al.  
**Brit Heart J** 26:572-6, Jul 64  
 Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Bernhard WF, et al. **Surg Forum** 15:197-8, 1964

## PULMONARY VEINS

Uncomplicated total anomalous pulmonary venous return below the diaphragm. Report of a case. Falsetti HL, et al. **Dis Chest** 46:102-6, Jul 64

## PULSE

Pulsatile pressures in the microcirculation of frog's mesentery. Wiederhielm CA, et al.  
**Amer J Physiol** 207:173-6, Jul 64  
 The haemodynamic implications of the bisferiens pulse. Ikram H, et al. **Brit Heart J** 26:452-9, Jul 64  
 Pulse monitor in ocular surgery. Brown KR, et al.  
**Brit J Ophthalmol** 47:184-5, Mar 63  
 Diagnostic value of the first and second derivatives of the arterial pressure pulse in aortic valve disease and in hypertrophic subaortic stenosis. Mason DT, et al.  
**Circulation** 30:90-100, Jul 64  
 Electroencephalographic and circulatory responses to megimide in normal subjects. Sellden U, et al.  
**Electroenceph Clin Neurophysiol** 17:11-6, Jul 64  
 Hemodynamic effects of pitressin infusion during gastroesophageal hemorrhage. Coomaraswamy RP, et al. **Surg Forum** 15:116-8, 1964

## PUNCHED-CARD SYSTEMS

A system of coding medical data for punched-card machine retrieval. I. As applied to epilepsy. Ommaya AK, et al. **Epilepsia (Amst)** 5:192-200, Jun 64

## PUNCTURES

A micropuncture evaluation of renal ammonia excretion in the rat. Hayes CP Jr, et al.  
**Amer J Physiol** 207:77-83, Jul 64  
 Is arterial puncture dangerous?  
**Brit Med J** 5416:1072, 24 Oct 64  
 Complications of arterial puncture. Nicholls JC.  
**Brit Med J** 5413:877, 3 Oct 64

[Our present practice of amniotic fluid puncture in the treatment of erythroblastosis caused by isoimmunization] Mayer M, et al.  
**Presse Med** 72:2369-72, 3 Oct 64 (Fr)

## PUPIL

Neuro-ophthalmology. Hoyt WF.  
**Arch Ophthalmol (Chicago)** 72:879-719, Nov 64  
 Pseudo-Argyll Robertson pupils in optic nerve disease. Levatin P, et al. **Brit J Ophthalmol** 48:109-13, Feb 64  
 Horner's syndrome produced by hypertrophic spurs from the cervical spine. Khurana KM, et al.  
**Brit J Ophthalmol** 48:227-9, Apr 64  
 Mechanism of pupillary changes secondary to increased intracranial pressure. Hollowell OW, et al.  
**Surg Forum** 15:427-9, 1964

## PURINES

Immunosuppression and infection.  
**New Eng J Med** 271:1068-9, 12 Nov 64  
 Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Bragonier JR, et al.  
**Proc Soc Exp Biol Med** 116:685-8, Jul 64  
 Antigen-antibody reactions involved in transplantation phenomena. Burrows L, et al.  
**Surg Forum** 15:135-7, 1964  
 Induction of tolerance with disrupted antigen, imuran, and sublethal irradiation. McKneally MF, et al.  
**Surg Forum** 15:131-2, 1964  
 Splenectomy in immunosuppressive regimens in dog and man. Veith FJ, et al. **Surg Forum** 15:161-3, 1964  
 Differential skin and renal homograft survival in dogs on immunosuppressive therapy. Shell AG, et al.  
**Surg Forum** 15:166-8, 1964  
 Alveolar surfactant in lung homotransplantation and hilar stripping. Yeh TJ, et al.  
**Surg Forum** 15:191-2, 1964  
 Surgical studies in hematopoiesis--successful growth of homologous bone marrow in an ectopic locus using imuran. Sabet-Payman K, et al.  
**Surg Forum** 15:146-8, 1964  
 Significance of lymphocyturia in renal homograft rejection. Kauffman HM, et al.  
**Surg Forum** 15:168-70, 1964

## PUROMYCIN

Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. Steiner DF, et al. **J Biol Chem** 239:1292-8, May 64

## PURPURA

Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al.  
**Arch Derm (Chicago)** 90:377-86, Oct 64  
 Familial Schamberg's disease. Baden HP.  
**Arch Derm (Chicago)** 90:400, Oct 64

## PYELONEPHRITIS

Cadmium hypertension in rats. Schroeder HA.  
**Amer J Physiol** 207:62-6, Jul 64  
 Chronic pyelonephritis from the urological standpoint of view with regard to the kidney biopsies and long-term chemotherapy. Leppänen MK.  
**Ann Chir Gynaec Fenn** 53:338-48, 1964  
 Renal glomerular osteodystrophy. Craven JD.  
**Clin Radiol** 15:210-8, Jul 64  
 The pyrogen test in obstetrics and gynaecology. McFadyen IR, et al.  
**J Obstet Gynaec Brit Comm** 71:429-35, Jun 64  
 Haemophilus influenzae type-C bronchopneumonia. Lowe MB. **J Path Bact** 88:315-6, Jul 64  
 Subclinical polyneuropathy in renal insufficiency. Preswick G, et al. **Lancet** 2:731-2, 3 Oct 64

## PYLORIC STENOSIS

Metabolic alkalosis in pyloric stenosis. Stroder J, et al.  
**Lancet** 2:914-5, 24 Oct 64  
 [The treatment of hypertrophic pyloric stenosis in infants] Volk H, et al.  
**Deutsch Med Wschr** 89:1754-7, 11 Sep 64 (Ger)

## PYLORUS

Mechanism of duodenal inhibition of gastric secretion. Quintana R, et al.  
**Arch Surg (Chicago)** 89:585-91, Oct 64  
 Distal antrectomy with vagectomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. Palumbo LT, et al. **Arch Surg (Chicago)** 89:637-44, Oct 64

## PYRAMIDAL TRACTS

[Muscle tonus. Physiological and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al.  
**Presse Med** 72:2213-8 concl, 19 Sep 64 (Fr)

## PYRAZINAMIDE

Alternating regimens of streptomycin-pyrazinamide, isoniazid-para-aminosalicylic acid at Battey State Hospital. Corpe RF, et al.  
**Amer Rev Resp Dis** 90:262-5, Aug 64

## PYRAZOLES

Pseudofeedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. McCollister RJ, et al.  
**J Biol Chem** 239:1560-3, May 64  
 Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Bragonier JR, et al.  
**Proc Soc Exp Biol Med** 116:685-8, Jul 64

## PYRIDINES

Potentiation of the anti-leukemic effects of 2-aminothiadiazole by isonicotinamide and derivatives. Oettgen HF, et al.  
**Cancer Res** 24:689-92, May 64  
 A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al.  
**J Amer Geriatr Soc** 12:771-5, Aug 64

## PYRIDOXINE

Effect of deoxypyridoxine on signs of pyridoxine deficiency and intestinal 5-hydroxytryptamine. Boullin DJ. **Brit J Nutr** 18:319-23, 1964  
 A microprocedure for the determination of 4-pyridoxic acid in urine. Woodring MJ, et al.  
**Clin Chem** 10:479-89, Jun 64

## PYRIDOXINE DEFICIENCY

Effect of deoxypyridoxine on signs of pyridoxine deficiency and intestinal 5-hydroxytryptamine. Boullin DJ. **Brit J Nutr** 18:319-23, 1964  
 Multiple deficiency state associated with isoniazid therapy. Aspinall DL. **Brit Med J** 5418:1177-8, 7 Nov 64  
 Vitamin B 6 deficiency and the initial acquisition of behavior. Sloane HN Jr, et al. **J Nutr** 83:379-84, Aug 64  
 The excretion of oxalic acid following deoxypyridoxine and tryptophan administration in mongoloid and nonmongoloid subjects. McCoy EE, et al.  
**J Pediatr** 65:208-14, Aug 64  
 Nutritional studies with the guinea pigs. XI. Pyridoxine. Reid ME.  
**Proc Soc Exp Biol Med** 116:289-90, Jun 64

## PYRIMIDINES

An analysis of the lack of drug synergism during sequential blockade of de novo pyrimidine biosynthesis. Rubin RJ, et al.  
**Cancer Res** 24:1002-7, Jul 64  
 Enzymes of the pyrimidine pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. Taylor WH, et al.  
**J Bact** 88:105-10, Jul 64  
 Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. Taylor WH, et al.  
**J Bact** 88:99-104, Jul 64  
 Enzymes of the pyrimidine pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. Taylor WH, et al.  
**J Bact** 88:105-10, Jul 64  
 Pseudofeedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. McCollister RJ, et al.  
**J Biol Chem** 239:1560-3, May 64  
 The effect of 6-azauridine administration on de novo pyrimidine production in chronic myelogenous leukemia. Bono VH Jr, et al.  
**J Clin Invest** 43:1486-94, Jul 64  
 Studies of thiamine metabolism in the rat. I. Metabolic products found in urine. Neal RA, et al.  
**J Nutr** 83:343-50, Aug 64  
 Studies of thiamine metabolism in the rat. II. Isolation and identification of 2-methyl-4-amino-5-pyrimidinecarboxylic acid as a metabolite of thiamine in rat urine. Neal RA, et al.  
**J Nutr** 83:351-7, Aug 64  
 Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Bragonier JR, et al.  
**Proc Soc Exp Biol Med** 116:685-8, Jul 64

## PYROGENS

Pathogenesis of inflammation. I. The production of an inflammatory substance from rabbit granulocytes in vitro and its relationship to leucocyte pyrogen. Moses JM, et al. **J Exp Med** 120:57-82, 1 Jul 64  
 The pyrogen test in obstetrics and gynaecology. McFadyen IR, et al.  
**J Obstet Gynaec Brit Comm** 71:429-35, Jun 64  
 Falsely positive pyrogenic responses induced in rabbits by latex particles. Kobayashi GS, et al.  
**Proc Soc Exp Biol Med** 116:716-8, Jul 64



## PYROPHOSPHATES

The phosphorylation reaction that accompanies the nonenzymic oxidation of 2-methyl-1,4-naphthohydroquinone diphosphate. Tomasi GE, et al. *J Biol Chem* 239:1804-13, May 64

## PYRROLES

An electrophoretic study of human erythrocytes, incubated with corticosteroids and sulfhydryl reaction substances. Agarwal KN, et al. *Acta Endocr (Kobenhavn)* 47:Suppl 93:53-8, 1964  
Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al. *Acta Endocr (Kobenhavn)* 47:Suppl 93:3-27, 1964  
Lack of effect of corticosteroids on the in vivo disappearance of sulfhydryl-inhibited and antibody-coated erythrocytes. Agarwal KN. *Acta Endocr (Kobenhavn)* 47:Suppl 93:28-36, 1964  
The characterization of modified human hemoglobin. I. Reaction with iodoacetamide and N-ethylmaleimide. Guidotti G, et al. *J Biol Chem* 239:1474-84, May 64  
The metabolism and excretion of Co57 tetraphenylporphinesulfonate in cancer patients. Winkelman J, et al. *J Nucl Med* 5:462-70, Jun 64  
Present status of the ehrlich Aldehyde reaction for urinary porphobilinogen. Watson CJ, et al. *JAMA* 190:501-4, 9 Nov 64

## PYRUVATES

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64  
Pyruvate fermentation by *Streptococcus faecalis*. Deibel RH, et al. *J Bact* 88:4-10, Jul 64  
Role of lipoic acid in pyruvate transport. Leach FR, et al. *J Bact* 87:1529-30, Jun 64  
Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64  
Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64  
Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64  
Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64  
Role of lipoic acid in pyruvate transport. Leach FR, et al. *J Bact* 87:1529-30, Jun 64  
Pyruvate fermentation by *Streptococcus faecalis*. Deibel RH, et al. *J Bact* 88:4-10, Jul 64  
The metabolism of histidine. VI. Histidinemia and imidazolepyruvic aciduria. Baldridge RC, et al. *J Biol Chem* 239:1557-9, May 64  
Urinary vanilpyruvic acid neuroblastoma. Gjessing LR, et al. *Lancet* 2:818, 10 Oct 64  
Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964  
Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. Schumer W, et al. *Surg Forum* 15:76-8, 1964

## Q FEVER

Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. Paretsky D, et al. *J Bact* 88:137-42, Jul 64

## QUINIDINE

Quinidine syncope. Paroxysmal ventricular fibrillation occurring during treatment of chronic atrial arrhythmias. Selzer A, et al. *Circulation* 30:17-26, Jul 64  
Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64

## QUININE

Quinine amblyopia. Bard LA, et al. *Arch Ophthalmol (Chicago)* 72:328-31, Sep 64  
Quinine amblyopia treated by stellate ganglion block. McLenachan J. *Brit J Ophthalmol* 47:62-3, Jan 63

## QUINOLINES

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64  
Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al. *Cancer Res* 24:582-5, May 64  
Use of hindlimb reflexes of the chronic spinal dog for

comparing analgesics. Martin WR, et al. *J Pharmacol Exp Ther* 144:8-11, Apr 64

## QUINONES

Assay of carcinoid tumor for quinonoid derivatives of 5-hydroxytryptamine. Bates HR Jr, et al. *Amer J Clin Path* 42:55-7, Jul 64

## RABIES VIRUS

Studies with cultured brown adipose tissue. II. Influence of low temperature on rabies virus infection in bat brown fat. Allen R, et al. *Amer J Hyg* 80:25-32, Jul 64  
Studies with cultured brown adipose tissue. I. Persistence of rabies virus in bat brown fat. Allen R, et al. *Amer J Hyg* 80:11-24, Jul 64  
Cytochemistry of inclusion bodies in tissue culture cells infected with rabies virus. Love R, et al. *Proc Soc Exp Biol Med* 116:560-3, Jul 64

## RADIAL NERVE

[Muscle-tendon transplantations for paralysis of the upper extremity] Iselin F. *Presse Med* 72:2339-42, 26 Sep 64 (Fr)

## RADIATION

Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. Small MJ, et al. *Amer Rev Resp Dis* 90:223-30, Aug 64

## RADIATION EFFECTS

Effects of ionizing radiation and their importance in anesthesiology. Little JB, et al. *Anesthesiology* 25:479-89, Jul-Aug 64  
Biological effects of radiation. Chadwick DR, et al. *Arch Environ Health (Chicago)* 9:643-8, Nov 64  
Radiation sensitivity of the mouse ovary: fertility and oocyte survival. Peters H, et al. *Fertil Steril* 15:407-18, Jul-Aug 64  
Chemical mechanisms underlying the biological mechanisms of the aging process. Bjorksten J, et al. *J Amer Geriatr Soc* 12:627-31, Jul 64  
Isologous interference with ultraviolet and x-ray irradiated bacteriophage T2. Levy SB. *J Bact* 87:1330-8, Jun 64  
Synthesis of ribonucleic acid by x-irradiated bacteria. Frampton EW. *J Bact* 87:1369-76, Jun 64  
Isologous interference with ultraviolet and x-ray irradiated bacteriophage T2. Levy SB. *J Bact* 87:1330-8, Jun 64  
Removal of cerebral cortical tissue with negligible scar formation using a beam of high-energy particles. Van Dyke D, et al. *J Neurosurg* 20:289-95, Apr 63  
A histochemical analysis of the effect of irradiation on murine duodenal mucosa. Spiro HM, et al. *J Path Bact* 88:55-60, Jul 64  
Effects of neonatal gamma irradiation on hormone production and spermatogenesis in testis of the adult pig. Erickson BH. *J Reprod Fertil* 8:91-100, Aug 64  
Cell-survival data and the irradiation response of some normal tissues. Wilson CW. *Radiology* 83:120-30, Jul 64  
Preoperative irradiation: evaluation by a simple experimental model. Feder BH, et al. *Radiology* 83:111-9, Jul 64  
Radiation effects on cell cycle dynamics. Hendrickson FR, et al. *Radiology* 83:131-40, Jul 64

## RADIATION GENETICS

Biological effects of radiation. Chadwick DR, et al. *Arch Environ Health (Chicago)* 9:643-8, Nov 64  
The frequency of dicentric in human leukocytes irradiated in vivo and in vitro. Norman A, et al. *Radiology* 83:108-10, Jul 64

## RADIATION IMMUNOLOGY

Prolonged functional survival of dog renal grafts with local radiation. Martin DC, et al. *Surg Forum* 15:156-8, 1964  
Selective immunosuppression by local radiation of renal homografts. Lee HM, et al. *Surg Forum* 15:158-60, 1964  
Induction of tolerance with disrupted antigen, imuran, and sublethal irradiation. McKneally MF, et al. *Surg Forum* 15:131-2, 1964  
Selective irradiation of lymph nodes as a means of conditioning for homotransplantation. Tilak SP, et al. *Surg Forum* 15:160-1, 1964  
The role of host connective tissue in controlling local tumor invasion. Madden RE, et al. *Surg Forum* 15:340-2, 1964

## RADIATION INJURY

Effects of ionizing radiation and their importance in

anesthesiology. Little JB, et al. *Anesthesiology* 25:479-89, Jul-Aug 64  
Biological effects of radiation. Chadwick DR, et al. *Arch Environ Health (Chicago)* 9:643-8, Nov 64  
Lung changes following cobalt teletherapy for carcinoma of the breast. Papavasiliou C, et al. *Clin Radiol* 15:242-5, Jul 64  
Dermatologic care of the painful foot. Montgomery RM. *J Bone Joint Surg [Amer]* 46:1129-36, Jul 64

## RADIATION INJURY, EXPERIMENTAL

Recording lens opacities. Christenberry KW, et al. *Arch Ophthalmol (Chicago)* 72:667-9, Nov 64  
Effect of local irradiation on testicular androgen biosynthesis. Schoen EJ. *Endocrinology* 75:56-65, Jul 64  
The synergism of x-irradiation and cholesterol-fat feeding on the development of coronary artery lesions. Amromin GD, et al. *J Atheroscler Res* 4:325-34, Jul-Aug 64  
X-irradiation induced acute brain damage as a function of age. Diller DA, et al. *J Neuropath Exp Neurol* 23:446-56, Jul 64  
The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation. Shewell J, et al. *J Path Bact* 88:61-71, Jul 64  
Effects of Cel144 administered to pregnant rats. McFee AF. *Proc Soc Exp Biol Med* 116:712-5, Jul 64  
Electrophoretic patterns from x-irradiated blood serums. Luzzio AJ. *Proc Soc Exp Biol Med* 116:769-74, Jul 64  
Taurine excretion following drug-induced muscle necrosis and x-irradiation. Goyer RA, et al. *Proc Soc Exp Biol Med* 116:534-6, Jun 64

## RADIATION MONITORING

Human exposure to external background radiation. A population survey in northern New England. Segall A, et al. *Arch Environ Health (Chicago)* 9:492-9, Oct 64

## RADIATION PROTECTION

Human exposure to external background radiation. A population survey in northern New England. Segall A, et al. *Arch Environ Health (Chicago)* 9:492-9, Oct 64  
Developing radiation protection standards. The role of the Atomic Energy Commission. Western F. *Arch Environ Health (Chicago)* 9:654-8, Nov 64  
A consideration of basic radiation protection guides applicable to the general population. Tompkins PC. *Arch Environ Health (Chicago)* 9:659-63, Nov 64  
Health program for radiation workers. Norwood WD. *Arch Environ Health (Chicago)* 9:529-35, Oct 64  
Radiological protection service. *Brit Med J* 5418:1151-2, 7 Nov 64

## RADIATION-PROTECTIVE AGENTS

The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation. Shewell J, et al. *J Path Bact* 88:61-71, Jul 64

## RADIO

Further experience with the radio transmitter receiver unit for the neurogenic bladder. Bradley WE, et al. *J Neurosurg* 20:953-60, Nov 63

## RADIOACTIVE FALLOUT

Radioactive contamination of the human diet and of man. Harley JH. *Arch Environ Health (Chicago)* 9:649-53, Nov 64

## RADIOACTIVITY

Human exposure to external background radiation. A population survey in northern New England. Segall A, et al. *Arch Environ Health (Chicago)* 9:492-9, Oct 64

## RADIOAUTOGRAPHY

Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. Browne HG, et al. *Amer J Trop Med* 13:558-71, Jul 64  
[Ferritin and hemosiderin] Wöhler F. *Deutsch Med Wschr* 89:1801-9, 18 Sep 64 (Ger)

## RADIOGRAPHY

Improvement of soft-part diagnosis in roentgenology. Unnérus CE. *Ann Chir Gynaec Fenn* 53:363-76, 1964  
*Neurosurgical classic*. X. Wilkins RH. *J Neurosurg* 20:721-7, Aug 63  
Thoughts on function and design of diagnostic departments. Leman RM. *Radiography* 30:167-75, Jul 64  
The Odeka one hundred millimeter camera and rapid



film-changer: its application to angiography.  
Davidson KC, et al. **Radiology** 83:80-5, Jul 64

## RADIOISOTOPE SCANNING

Isotope nephrography with <sup>131</sup>I "hippuran". I.  
Technique and experience in various medical renal diseases. Krosgaard AR, et al.  
**Acta Med Scand** 176:17-29, Jul 64  
Isotope nephrography with <sup>131</sup>I "hippuran". II.  
Experience in arterial hypertension with a particular view to renal artery stenosis. Friis T, et al.  
**Acta Med Scand** 176:31-43, Jul 64  
Comparison of coincidence counting and focusing collimators with various isotopes in brain tumour detection. Matthews CM.  
**Brit J Radiol** 37:531-43, Jul 64  
Radioactive iodine and surgery of the thyroid. Friedell MT. **J Amer Geriatr Soc** 12:737-48, Aug 64  
Parathyroid scanning with selenium-75 labelled methionine. DiGiulino W, et al.  
**J Nucl Med** 5:417-27, Jun 64  
Immunological removal of circulating I-<sup>131</sup>-labeled rabbit antibody to rat fibrinogen in normal and tumor-bearing rats. Spar IL, et al.  
**J Nucl Med** 5:428-43, Jun 64  
Determination of organ volumes by scintillation scanning. Spencer RP. **J Nucl Med** 5:444-52, Jun 64  
Clinical trial of modified gamma camera for thyroid scanning. Thomson JA, et al. **Lancet** 2:714-6, 3 Oct 64

## RADIOISOTOPE TELETHERAPY

Results of radiation dosimetry in telecobalt and roentgen therapy. Vuottilainen A, et al.  
**Ann Chir Gynaec Fenn** 53:357-63, 1964  
Automation of radiation treatment planning. IV. Derivation of a mathematical expression for the per cent depth dose surface of cobalt 60 beams and visualisation of multiple field dose distributions. Sterling TD, et al. **Brit J Radiol** 37:544-50, Jul 64  
Treatment of post-cricoid carcinoma by combined intravaginary and external irradiation. Dalby JE. **Clin Radiol** 15:251-5, Jul 64  
Lung changes following cobalt teletherapy for carcinoma of the breast. Papavasiliou C, et al. **Clin Radiol** 15:242-5, Jul 64  
Treatment of post-cricoid carcinoma by combined intracavitary and external irradiation. Dalby JE. **Clin Radiol** 15:251-5, Jul 64  
Carcinoma of bladder: cobalt therapy. Goodman GB, et al. **J Urol** 92:30-6, Jul 64

## RADIOISOTOPES

Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. Browne HG, et al. **Amer J Trop Med** 13:558-71, Jul 64  
Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. Holzman GB, et al. **Circulation** 30:27-34, Jul 64  
A gallium-68 positron cow for medical use. Yano Y, et al. **J Nucl Med** 5:484-7, Jun 64  
Training in nuclear medicine for radiology residents. McCormack KR. **Radiology** 83:22-5, Jul 64

## RADIOLOGY

Equipment for diagnostic radiography--the level of membership examination papers. Chesney MO. **Radiography** 30:183-7, Jul 64  
Training in nuclear medicine for radiology residents. McCormack KR. **Radiology** 83:22-5, Jul 64

## RADIOMETRY

A gallium-68 positron cow for medical use. Yano Y, et al. **J Nucl Med** 5:484-7, Jun 64  
Use of a whole body counter in turnover studies with Ca-47. Sargent T, et al. **J Nucl Med** 5:407-16, Jun 64  
[Apparatus for the automatic measurement by scintillation probe of liquid or pulverized radioactive samples] Lafay F. **Presse Med** 72:2390, 3 Oct 64 (Fr)

## RADIO THERAPY

Dermatologic care of the painful foot. Montgomery RM. **J Bone Joint Surg [Amer]** 46:1129-36, Jul 64  
Roentgen therapy for carotid sinus syncope. Aravanis C, et al. **Vasc Dis** 1:119-21, Mar 64

## RADIO THERAPY DOSAGE

Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD.  
**Brit J Ophthalmol** 47:257-65, May 63  
Automation of radiation treatment planning. IV. Derivation of a mathematical expression for the per cent depth dose surface of cobalt 60 beams and visualisation of multiple field dose distributions. Sterling TD, et al. **Brit J Radiol** 37:544-50, Jul 64  
Lymphomas: relationship between dosage and

recurrence. Jacobs ML, et al.  
**Radiology** 83:106-7, Jul 64  
Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Phillips TL, et al. **Radiology** 83:98-105, Jul 64

## RADIUM

Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD.  
**Brit J Ophthalmol** 47:257-65, May 63  
Treatment of post-cricoid carcinoma by combined intravaginary and external irradiation. Dalby JE. **Clin Radiol** 15:251-5, Jul 64  
Treatment of post-cricoid carcinoma by combined intracavitary and external irradiation. Dalby JE. **Clin Radiol** 15:251-5, Jul 64  
Dermatologic care of the painful foot. Montgomery RM. **J Bone Joint Surg [Amer]** 46:1129-36, Jul 64  
The treatment of carcinoma of the body of the uterus. Proc Roy Soc Med 57:467-78, Jun 64  
[Clinical evaluation of the proteo-anabolic activity of l-methyl-delta androstenedione in patients with malignant neoplasms during actinotherapy] Pipino G. **Minerva Med** 55:2413-7, 18 Aug 64 (It)

## RADIUS

Reconstruction of congenital aplasia of radial component. Entin MA.  
**Surg Clin N Amer** 44:1091-105, Aug 64

## RADIUS FRACTURES

Treatment of non-union of fractures of the long bones by the two-plate method. Murray WR, et al.  
**J Bone Joint Surg [Amer]** 46:1027-48, Jul 64

## RADON

Implantation irradiation of epitheliomata of the eyelids and adjacent areas. McAuley FD.  
**Brit J Ophthalmol** 47:257-65, May 63

## RATS

Laboratory studies with wild rodents and viruses native to Trinidad. I. Studies on the behavior of coxal virus. Jonkers AH, et al.  
**Amer J Trop Med** 13:613-9, Jul 64  
[The importance of the baboon, hamster and sand rat in experimental pathology] Ravina A.  
**Presse Med** 72:2243-4, 19 Sep 64 (Fr)

## RAUWOLFIA

The choice of hypotensive agents. Palmer KN.  
**Practitioner** 193:43-9, Jul 64

## RAYNAUD'S DISEASE

Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al.  
**Arch Derm (Chicago)** 90:377-86, Oct 64  
Occupational Raynaud's. II. Further studies of this disorder in uranium mine workers. Ashe WF, et al.  
**Arch Environ Health (Chicago)** 9:425-33, Oct 64  
Discoid lupus erythematosus eruption with digital arterial occlusion. Gold SC.  
**Proc Roy Soc Med** 57:516, Jun 64

## RECEPTORS, NEURAL

Reflex pulmonary vasoconstriction due to stimulation of the aortic body by nicotine. Stern S, et al.  
**Amer J Physiol** 206:1189-95, Jun 64  
Venous oxygenation and circulatory responses to oxygen inhalation in acute anemia. Murray JF.  
**Amer J Physiol** 207:228-34, Jul 64  
Action of noradrenaline. Koch-Weser J.  
**Brit Med J** 5416:1072-3, 24 Oct 64  
Control of renin secretion. Skinner SL, et al.  
**Circ Res** 15:64-76, Jul 64  
Further observations of trigeminal antidromic potentials: possible physiological function of sensory antidromic potentials. Alvarez-Carregal E, et al.  
**J Neurosurg** 20:277-88, Apr 63  
Mechanisms of adrenal cortical activation by hypotension. Gann DS, et al. **Surg Forum** 15:8-10, 1964  
Regulation of aldosterone secretion by an hepatic receptor. Orloff MJ, et al. **Surg Forum** 15:74-6, 1964  
[Muscle tonus. Physiological and physopathological aspects. I. The physiologist in relation to muscle tonus] Mamo H, et al.  
**Presse Med** 72:2107-12 contd, 29 Aug 64 (Fr)

## RECTAL NEOPLASMS

Fluorouracil colon-rectum adjuvant chemotherapy. Nadler SH, et al. **Arch Surg (Chicago)** 89:592-5, Oct 64  
Fibrosarcoma of the rectum. Russell IS, et al.  
**Aust New Zeal J Surg** 34:27-31, Aug 64  
Pre-operative irradiation in the treatment of patients

with carcinoma of the oesophagus and of some other sites. Nakayama K. **Clin Radiol** 15:232-41, Jul 64  
Cancer risk in ulcerative colitis. Aylett S.  
**Lancet** 2:820, 10 Oct 64  
The cancer risk in ulcerative colitis. MacDougall IP.  
**Lancet** 2:855-8, 20 Sep 64

## RECTAL PROLAPSE

Anal incontinence. Caldwell KP, et al.  
**Lancet** 2:761-2, 3 Oct 64

## RECTUM

Some questions about adenomatous polyps. Ryan P.  
**Aust New Zeal J Surg** 34:59-61, Aug 64  
The obscure case of bleeding per rectum. Lane D.  
**Aust New Zeal J Surg** 34:36-42, Aug 64  
Rectal cyst. Wilson E.  
**Aust New Zeal J Surg** 34:32-5, Aug 64  
Urinary excretion of prednisolone after intrarectal therapy in ulcerative colitis. Wood WA, et al.  
**Brit Med J** 5416:1045-6, 24 Oct 64  
Finger biopsy forceps. Shipman JJ.  
**Lancet** 2:844, 17 Oct 64

## RED NUCLEUS

Stimulation of Forel's field during stereotaxic operations in the human brain. Spiegel EA, et al.  
**Electroenceph Clin Neurophysiol** 18:537-48, Jun 64

## REFLEX

Reflex pulmonary vasoconstriction due to stimulation of the aortic body by nicotine. Stern S, et al.  
**Amer J Physiol** 206:1189-95, Jun 64  
Blaschovitz operation in a case of Marcus Gunn phenomenon. Malik SR, et al.  
**Brit J Ophthalmol** 48:173-5, Mar 64  
Expiratory activity of the abdominal muscles in man during general anesthesia. Freund F, et al.  
**J Appl Physiol** 19:693-7, Jul 64  
Effects of guanethidine, reserpine, and methyl dopa on reflex venous and arterial constriction in man. Mason DT, et al. **J Clin Invest** 43:1449-63, Jul 64  
Thalamic inhibition of the myotatic reflex in man. Ward AA Jr, et al. **J Neurosurg** 20:1033-9, Dec 63  
Further observations of trigeminal antidromic potentials: possible physiological function of sensory antidromic potentials. Alvarez-Carregal E, et al.  
**J Neurosurg** 20:277-88, Apr 63  
Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics. Martin WR, et al.  
**J Pharmacol Exp Ther** 144:8-11, Apr 64  
Circulatory reflexes in patients with cerebrovascular disease. Appenzeller O, et al.  
**New Eng J Med** 271:820-3, 15 Oct 64  
The nature and management of spasticity. The pathophysiology of spasticity. Rushworth G.  
**Proc Roy Soc Med** 57:715-20, Aug 64  
[Muscle tonus. Physiological and physopathological aspects. I. The physiologist in relation to muscle tonus] Mamo H, et al.  
**Presse Med** 72:2107-12 contd, 29 Aug 64 (Fr)  
[The Achilles reflexogram in thyroid disorders and in electrolyte metabolism disorders] Kissel P, et al.  
**Presse Med** 72:2201-4, 19 Sep 64 (Fr)

## REFLEX, ABNORMAL

Congenital trigeminal anaesthesia. Hewson EG.  
**Brit J Ophthalmol** 47:308-11, May 63

## REFLEX, CONDITIONED

Conditioning factors in stroboscopic-induced seizures. Forster FM, et al. **Epilepsia (Amst)** 5:156-65, Jun 64

## REFLEX, TENDON

Prolapsed calcified thoracic intervertebral disc. Taylor TK, et al. **J Path Bact** 88:153-7, Jul 64

## REFRACTIVE ERRORS

Correction of ametropia with intracorneal lenses. An experimental study. Belau PG, et al.  
**Arch Ophthalmol (Chicago)** 72:541-7, Oct 64  
Refraction anomalies in Tanganyikan children. Johnstone WW, et al. **Brit J Ophthalmol** 47:95-108, Feb 63

## REFRIGERATION

Influence of calcium ions and freezing upon the conversion of cholesterol-7-alpha-3H to corticosterone-3H by homogenate of rat adrenal. Hall PF, et al. **Endocrinology** 75:135-7, Jul 64  
Preservation of cell cultures by freezing in liquid nitrogen vapor. Greene AE, et al.  
**Proc Soc Exp Biol Med** 116:462-7, Jun 64  
New freeze-protecting compounds and their screening. Halasz NA, et al. **Surg Forum** 15:214-5, 1964



## REGENERATION

- Nerve regeneration in replanted canine limbs. Mayer RF, et al. *Amer J Physiol* 206:1415-21, Jun 64
- Return of neural responses after autotransplantation of the heart. Willman VL, et al. *Amer J Physiol* 207:187-9, Jul 64
- Electrophysiological study of regenerating peripheral nerve. Relationship of size of fibers and rate of growth. Jenkins DW, et al. *J Neurosurg* 20:344-7, Apr 63
- The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al. *J Path Bact* 88:291-301, Jul 64
- Experimental peripheral nerve repair tubulation. Braun RM. *Surg Forum* 15:452-4, 1964
- Uptake of tritiated proline in regenerating tendon. Lindsay WK, et al. *Surg Forum* 15:459-61, 1964

## REHABILITATION

- Total medical treatment: report of a five-year study. Meyer J, et al. *Amer J Psychiat* 121:129-35, Aug 64
- Profitable employment of the handicapped. Burr HB. *Industr Med Surg* 33:575-9, Aug 64
- [The responsibility of the physician for rehabilitation of handicapped patients] Lindemann K. *Deutsch Med Wschr* 89:1934-8, 9 Oct 64 (Ger)

## REIMPLANTATION

- Nerve regeneration in replanted canine limbs. Mayer RF, et al. *Amer J Physiol* 206:1415-21, Jun 64
- Return of neural responses after autotransplantation of the heart. Willman VL, et al. *Amer J Physiol* 207:187-9, Jul 64
- Replacing limbs. Brit Med J 5413:832-3, 3 Oct 64
- Uterine reimplantation in dogs. Hamernik RJ, et al. *Surg Forum* 15:383-5, 1964
- Physiologic studies of the baboon living on only the reimplanted lung. Haglin JJ, et al. *Surg Forum* 15:175-8, 1964
- Survival of dogs after bilateral reimplantation of the lungs. Lempert N, et al. *Surg Forum* 15:179-81, 1964
- Functional and pathologic changes in the reimplanted lung. Amirana MT, et al. *Surg Forum* 15:177-9, 1964
- Reimplantation of the dog lung with survival after contralateral pneumonectomy. Duvoisin GE, et al. *Surg Forum* 15:173-5, 1964

## REINFORCEMENT (PSYCHOLOGY)

- Neurohumors in hypothalamic substrates of reward. Olds J, et al. *Amer J Physiol* 207:242-54, Jul 64
- Vitamin B 6 deficiency and the initial acquisition of behavior. Sloane HN Jr, et al. *J Nutr* 83:379-84, Aug 64
- Effects of amphetamine, chlorpromazine, pentobarbital, and ethanol on operant response duration. Weiss B, et al. *J Pharmacol Exp Ther* 144:17-23, Apr 64

## REITER'S DISEASE

- Hemolytic complement in synovial fluid. Pekin TJ Jr, et al. *J Clin Invest* 43:1372-82, Jul 64
- Gross hematuria as a presenting manifestation of Reiter's syndrome in a woman. Crocco JA, et al. *J Urol* 92:45-8, Jul 64

## RELAXIN

- Hormonal influence in simple glaucoma. A preliminary report. Paterson GD, et al. *Brit J Ophthal* 47:129-37, Mar 63

## RELIGION AND MEDICINE

- "What shall the doctor's image be?" Abbott E. *Brit Med J* 5416:1062-3, 24 Oct 64
- Changing attitudes toward the Massachusetts birth-control law. Dorsey JL. *New Eng J Med* 271:823-7, 15 Oct 64

## RENAL ARTERY

- Study of renal vessels by microdissection in human transplantation. Darmady EM, et al. *Brit Med J* 5415:976-8, 17 Oct 64
- Renal arteriography. Sutton D. *Proc Roy Soc Med* 57:661-4, Aug 64
- Effect of renal arterial infusion of albumin on saline diuresis in the dog. Earley LE. *Proc Soc Exp Biol Med* 116:262-5, Jun 64
- Diuresis following administration of the antidiuretic hormone. Boba A, et al. *Surg Forum* 15:20-1, 1964
- Hepatic anoxia and stimulation of hepatic nerves on renal hemodynamics and function. Hori M, et al. *Surg Forum* 15:108-9, 1964
- Factors influencing renal blood flow during isolated perfusion. Belzer FO, et al. *Surg Forum* 15:222-4, 1964
- A comparison of the physiologic effects of angiotensin with other vasoconstrictors. Rea VE, et al. *Surg Forum* 15:17-8, 1964

## RENAL ARTERY OBSTRUCTION

- Isotope nephrography with 131-I "hippuran". II. Experience in arterial hypertension with a particular view to renal artery stenosis. Fris T, et al. *Acta Med Scand* 176:31-43, Jul 64
- Bilateral renal artery stenosis with aldosteronism. Blagg CR, et al. *Brit J Radiol* 37:554-7, Jul 64
- Renal ischaemia due to thrombosis of renal artery resulting from metastases from primary carcinoma of the bronchus. Jennings RC, et al. *Brit Med J* 5416:1053-4, 24 Oct 64
- A case of hypertension with ischaemic kidney demonstrated at the Postgraduate Medical School of London. *Brit Med J* 5414:923-6, 10 Oct 64
- Haemodynamics and oxygen consumption of the kidney in post-ischaemic renal failure. Bálint P, et al. *Clin Sci* 26:471-7, Jun 64
- The effect of angiotensin on the function of the separate kidneys in patients with unilateral renal artery stenosis. Brown JJ, et al. *Clin Sci* 26:381-95, Jun 64
- Renal arteriography. Sutton D. *Proc Roy Soc Med* 57:661-4, Aug 64
- Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs. Zimskind PD, et al. *Surg Forum* 15:496-7, 1964

## RENAL TUBULAR TRANSPORT, INBORN ERRORS

- Role of phosphate in treatment of renal tubular (hypophosphataemic) rickets and osteomalacias. Rose GA. *Brit Med J* 5413:857-61, 3 Oct 64

## RENAL VEINS

- Renal vein thrombosis in infancy. Recovery without nephrectomy. Stark H. *Amer J Dis Child* 108:430-5, Oct 64
- Relationship of blood flow in the kidney to the homograft reaction. Cohn R, et al. *Amer J Surg* 108:245-9, Aug 64
- Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs. Zimskind PD, et al. *Surg Forum* 15:496-7, 1964

## RENIN

- Quantitative assay and disappearance rate of circulating renin. Schaechtelin G, et al. *Amer J Physiol* 206:1361-4, Jun 64
- Variations in plasma renin during the menstrual cycle. Brown JJ, et al. *Brit Med J* 5417:1114-5, 31 Oct 64
- Control of renin secretion. Skinner SL, et al. *Circ Res* 15:64-76, Jul 64
- Plasma renin activity in primary aldosteronism. Importance in differential diagnosis and in research of essential hypertension. Conn JW, et al. *JAMA* 190:222-5, 19 Sep 64
- Suppression of plasma renin activity in primary aldosteronism. Distinguishing primary from secondary aldosteronism in hypertensive disease. Conn JW, et al. *JAMA* 190:213-21, 19 Sep 64
- A renin-like enzyme in normal human urine. Brown JJ, et al. *Lancet* 2:709-11, 3 Oct 64
- Effect of blood volume changes on renin-like activity in blood. Ziegler M, et al. *Proc Soc Exp Biol Med* 116:774-8, Jul 64

## REPTILES

- Field and laboratory studies on eastern encephalitis in warm- and cold-blooded vertebrates. Hayes RO, et al. *Amer J Trop Med* 13:595-606, Jul 64

## RESEARCH

- The National Institutes of Health and the neurological surgeon. Bucy PC. *J Neurosurg* 20:118-21, Feb 63
- Sources of support of research and training in pathology. Stowell RE. *Lab Invest* 13:714-6, Jun 64
- Research training in pathology. Powell CC. *Lab Invest* 13:717-21, Jun 64
- Research in pathology: United States Public Health Service Research Grants. Confrey EA. *Lab Invest* 13:722-9, Jun 64
- Financial support for research facilities and resources. Stone FL. *Lab Invest* 13:730-4, Jun 64
- The expanding view of pathology. Moritz AR. *Lab Invest* 13:597-601, Jun 64
- Opportunities in environmental and occupational pathology. Kotin P. *Lab Invest* 13:619-23, Jun 64
- Biophysics and biochemistry education for research in pathology. Carter JR. *Lab Invest* 13:613-8, Jun 64
- Immunology is pathology. Dixon FJ. *Lab Invest* 13:619-2, Jun 64
- Recruitment in pathology. Kinney TD. *Lab Invest* 13:624-33, Jun 64
- Physiology in pathology. Hartroft WS. *Lab Invest* 13:602-8, Jun 64
- Careers in neuropathology. Wolfe A. *Lab Invest* 13:652-7, Jun 64

- The Ph.D.-M.D. pattern of training for academic pathology. Wissler RW. *Lab Invest* 13:670-7, Jun 64
- A genetical approach to the study of disease. Graham JB. *Lab Invest* 13:663-9, Jun 64
- Careers in pharmaceutical and toxicologic pathology. Culbertson CG. *Lab Invest* 13:658-62, Jun 64
- Opportunities in forensic pathology. Fisher RS. *Lab Invest* 13:647-52, Jun 64
- Analysis of the research training program. Zimmerman HM. *Lab Invest* 13:694-700, Jun 64
- The Ph.D. degree in pathology without the M.D. degree. Majno G. *Lab Invest* 13:678-82, Jun 64
- Panel discussion. The need for staff and facilities to develop the research potential in pathology. Madden SC, et al. *Lab Invest* 13:683-93, Jun 64
- Analysis of research grants in pathology. Stowell RE. *Lab Invest* 13:701-13, Jun 64
- Expanding career opportunities for pathologists trained in research. Brinkhous KM. *Lab Invest* 13:640-6, Jun 64
- Declaration of Helsinki. *Med J Aust* 2:320-1, 22 Aug 64
- Ethics in clinical research. *Med J Aust* 2:309-10, 22 Aug 64

## RESERPINE

- The use of drug combinations in pediatric psychiatry. Faretra G, et al. *Curr Ther Res* 6:340-3, May 64
- A new diagnostic and therapeutic approach in the treatment of hypertension. Shubin H, et al. *Curr Ther Res* 6:368-72, May 64
- Inhibition of vasopressin release in rats by chlorpromazine and reserpine. Moses AM. *Endocrinology* 74:889-93, Jun 64
- Effects of guanethidine, reserpine, and methyldopa on reflex venous and arterial constriction in man. Mason DT, et al. *J Clin Invest* 43:1449-63, Jul 64
- Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. Raynor RB, et al. *J Neurosurg* 20:94-6, Feb 63
- The chronotropic action of tyramine studied by direct perfusion of the sinus node through its artery. James TN, et al. *J Pharmacol Exp Ther* 144:83-8, Apr 64
- Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. Pardo EG, et al. *J Pharmacol Exp Ther* 144:124-30, Apr 64
- The modification of digitals intoxication by excluding adrenergic influences on the heart. Eriij D, et al. *J Pharmacol Exp Ther* 144:97-103, Apr 64
- An electroencephalographic and chemical re-evaluation of the central action of reserpine in the rabbit. Pscheidt GR, et al. *J Pharmacol Exp Ther* 144:37-44, Apr 64
- The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:45-51, Apr 64
- DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al. *Proc Soc Exp Biol Med* 116:705-12, Jul 64
- Effect of catecholamine depletion on an index of myocardial contractility in isolated rabbit hearts. Maxwell RA, et al. *Proc Soc Exp Biol Med* 116:672-4, Jul 64
- Cesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases. Alexander JA, et al. *Southern Med J* 57:1282-7, Nov 64
- Pulmonary vascular responses to hypoxia and their modification by pharmacologic sympathectomy. McLaughlin JS, et al. *Surg Forum* 15:185-6, 1964

## RESERPINE TOXICOLOGY

- An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. *Proc Roy Soc Med* 57:758-62, Aug 64

## RESINS

- Fatal poisoning with podophyllum resin. Kaymakalan S. *JAMA* 190:558, 9 Nov 64

## RESPIRATION

- Changes in shunt flow, compliance, and volume of lungs during apneic oxygenation. Anthonisen NR. *Amer J Physiol* 207:235-8, Jul 64
- Effect of volume and volume history of the lungs on pulmonary shunt flow. Anthonisen NR. *Amer J Physiol* 207:239-41, Jul 64
- Diffusion impairment in obstructive pulmonary emphysema. Lim TP, et al. *Amer Rev Resp Dis* 90:213-22, Aug 64
- Experimental observations of the relationships between upper airway obstruction and pulmonary function. Nelson JR, et al. *Ann Otol* 73:382-403, Jun 64
- Right bundle branch block by diaphragmatic inspiration independent of heart rate. Lin TK. *Arch Intern Med (Chicago)* 114:538-40, Oct 64
- Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. Huggins CE, et al. *Dis Chest* 46:42-5, Jul 64



- Autonomic changes during paroxysmal EEG activity. Johnson LC, et al. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64
- Surgical problems and pulmonary function in the geriatric patient, including observations on a man purported to be 167 years old. Glenn F, et al. *J Amer Geriatr Soc* 12:632-45, Jul 64
- Relationship of changing bronchial caliber to respiration in the dog. Colgan FJ. *J Appl Physiol* 19:803-11, Jul 64
- Pressure-volume studies on lung lobes in man. Ishikawa K, et al. *J Appl Physiol* 19:823-6, Jul 64
- Expiratory activity of the abdominal muscles in man during general anesthesia. Freund F, et al. *J Appl Physiol* 19:693-7, Jul 64
- Lung volume, compliance, and arterial oxygen tensions during controlled ventilation. Laver MB, et al. *J Appl Physiol* 19:725-33, Jul 64
- Relative contributions of the rib cage and the diaphragm to ventilation in man. Bergofsky EH. *J Appl Physiol* 19:698-708, Jul 64
- Effect of alterations in end-tidal CO<sub>2</sub> tension on flow resistance. Newhouse MT, et al. *J Appl Physiol* 19:745-9, Jul 64
- Reproducibility of transient response to CO<sub>2</sub> inhalation in man. Read DJ, et al. *J Appl Physiol* 19:750-4, Jul 64
- Effect of low concentrations of ozone on pulmonary function in man. Young WA, et al. *J Appl Physiol* 19:765-8, Jul 64
- Pulmonary exchange as related to altered pulmonary mechanics in anesthetized dogs. Collier CR, et al. *J Appl Physiol* 19:659-64, Jul 64
- Ventilatory mechanics in hypovolemic shock. Cahill JM, et al. *J Appl Physiol* 19:679-82, Jul 64
- Effect of negative-pressure breathing on lung mechanics and venous admixture. Velasquez T, et al. *J Appl Physiol* 19:665-71, Jul 64
- Partitioning of respiratory flow resistance in man. Ferris BG Jr, et al. *J Appl Physiol* 19:653-8, Jul 64
- The analgesic efficacy and respiratory effects in man of a benzomorphan "narcotic antagonist". Lasagna L, et al. *J Pharmacol Exp Ther* 144:12-6, Apr 64
- Centrifugal respiratory pathway in the spinal cord. Belmusto L, et al. *Surg Forum* 15:418-9, 1964
- [Mechanical aspects of ventilation in anaphylactic shock in rabbits] Troquet J. *Int Arch Allerg* 24:356-72, 1964 (Fr)

## RESPIRATION, ARTIFICIAL

- Artificial ventilation of the lungs in combined head and chest injuries. Robinson JS, et al. *Lancet* 2:912, 24 Oct 64

## RESPIRATORS

- Adaptation of the infant pulmonator. Shnider SM, et al. *Anesthesiology* 25:574-5, Jul-Aug 64

## RESPIRATORY DISEASES

- Air pollution and disease. Ferris BG Jr, et al. *Anesthesiology* 25:470-8, Jul-Aug 64
- Relation of air pollution to disease. Spicer WS Jr. *Arch Environ Health (Chicago)* 9:600-5, Nov 64
- The specialty of chest medicine. Oswald NC. *Brit Med J* 5414:935-9, 10 Oct 64
- Clinical study with oxtriphylline-glycerol guaiacolate tablets in chronic pulmonary disease: a double-blind crossover study. Puls RJ. *Curr Ther Res* 6:353-6, May 64
- A mucolytic agent. Acetylcysteine (Mucomyst). *JAMA* 190:147-8, 12 Oct 64

## RESPIRATORY DISTRESS

### SYNDROME

- Pathophysiology of respiratory distress in newborn lambs. Circulatory, biochemical, and pathological considerations. Stahlman M, et al. *Amer J Dis Child* 108:375-93, Oct 64
- Hyperbaric oxygen in resuscitation of the newborn. Crawford JS. *Lancet* 2:815-6, 10 Oct 64
- Tracheal and esophageal obstructions in infants. Ochsner JL, et al. *Southern Med J* 57:1333-9, Nov 64

## RESPIRATORY FUNCTION TESTS

- Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. Small MJ, et al. *Amer Rev Resp Dis* 90:223-30, Aug 64
- Lung function in talc workers. Kleinfeld M, et al. *Arch Environ Health (Chicago)* 9:559-66, Nov 64
- Clinical study with oxtriphylline-glycerol guaiacolate tablets in chronic pulmonary disease: a double-blind crossover study. Puls RJ. *Curr Ther Res* 6:353-6, May 64
- An assessment of the fractional carbon monoxide uptake and its relationship to pulmonary diffusing capacity. Woolf CR. *Dis Chest* 46:181-9, Aug 64
- Lung function in congenital heart disease. Linde LM, et al. *Dis Chest* 46:46-50, Jul 64

- Measurement of airway resistance with a volume displacement body plethysmograph. Jaeger MJ, et al. *J Appl Physiol* 19:813-20, Jul 64
- Continuous measurement of ventilatory exchange ratio during exercise. Naimark A, et al. *J Appl Physiol* 19:644-52, Jul 64
- Continuous distribution of specific tidal volume throughout the lung. Gómez DM, et al. *J Appl Physiol* 19:683-92, Jul 64
- Cardiorespiratory response of very obese subjects to treadmill exercise. Turell DJ, et al. *J Lab Clin Med* 64:107-16, Jul 64
- Nitrogen excretion by newborn infants during oxygen breathing. Nelson NM, et al. *J Pediatr* 65:299-300, Aug 64
- Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. MacKenzie GJ, et al. *Lancet* 2:825-32, 17 Oct 64
- The radiological spectrum of aging and emphysematous lungs. Mori PA, et al. *Radiology* 83:48-57, Jul 64
- Relationship between lung distensibility, pulmonary blood flow, and pulmonary blood volume. Roberts LB, et al. *Surg Forum* 15:181-2, 1964
- Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Bernhard WF, et al. *Surg Forum* 15:197-8, 1964
- [Relationship between lung function and the lung field as measured by chest x-ray in 3 phases of respiration in normal young and old subjects and patients with chronic pulmonary emphysema. 1. Normal young subjects] Watanabe S. *Jap Circ J* 28:685-92, Sep 64 (Jap)
- [Relationship between lung function and the lung field as measured by chest x-ray in 3 phases of respiration in normal young and old subjects and patients with chronic pulmonary emphysema. 2. Aged subjects and patients with chronic pulmonary emphysema] Watanabe S. *Jap Circ J* 28:693-703, Sep 64 (Jap)

## RESPIRATORY INSUFFICIENCY

- Controlled oxygen therapy in respiratory failure. Hutchison DC, et al. *Brit Med J* 5418:1159-66, 7 Nov 64
- Clinical observations on respiratory and vasomotor disturbance as related to cervical cordotomies. Belmusto L, et al. *J Neurosurg* 20:225-32, Mar 63
- Emergency tracheostomy in hemophilia. Unfug HV. *JAMA* 190:551-2, 9 Nov 64
- Experience with the minicoll artificial kidney. Jones ES, et al. *Lancet* 2:758-9, 3 Oct 64
- Experimental production of respiratory insufficiency. Butler EK, et al. *Surg Forum* 15:188-90, 1964

## RESPIRATORY SYSTEM

- Remarks on the respiratory tract as a unit. Hilding AC. *Ann Otol* 73:358-63, Jun 64
- Effect of tobacco smoke solutions on *Paramecium*. Weiss W, et al. *Arch Environ Health (Chicago)* 9:500-4, Oct 64

## RESPIRATORY TRACT INFECTIONS

- Dosages of various trivalent and monovalent adenovirus vaccines in the prophylaxis of acute respiratory illness. Stille WT, et al. *Amer J Hyg* 80:121-34, Jul 64
- A pilot study of acute respiratory illnesses on a college campus. Kapikian AZ, et al. *Amer Rev Resp Dis* 90:175-82, Aug 64
- A clinical study of erythromycin: a comparative evaluation of several salts. Billow BW, et al. *Curr Ther Res* 6:381-4, May 64
- Adenovirus infection as an aetiological factor in intussusception of infants and young children. Potter CW. *J Path Bact* 88:263-74, Jul 64
- Bronchoscopic aspiration after respiratory infections. Poppe JK. *JAMA* 190:245-8, 10 Sep 64
- Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al. *New Eng J Med* 271:1021-7, 12 Nov 64
- [On the morphology of acute hyperpyretic toxicosis in the older infant] Müller G. *Deutsch Med Wschr* 89:1828-31, 25 Sep 64 (Ger)

## RESUSCITATION

- Resuscitation of newborn. Millar JR. *Brit Med J* 5416:1074-5, 24 Oct 64
- An emergency resuscitation box. Allan D, et al. *J Pediatr* 65:297-8, Aug 64
- Life or death by EEG. Hamlin H. *JAMA* 190:112-4, 12 Oct 64
- Hyperbaric oxygen in resuscitation of the newborn. Dawes GS, et al. *Lancet* 2:910, 24 Oct 64
- Hyperbaric oxygen in resuscitation of the newborn. Crawford JS. *Lancet* 2:815-6, 10 Oct 64
- Hyperbaric oxygen in resuscitation of the newborn. Hutchison JH, et al. *Lancet* 2:691-2, 20 Sep 64

## RETICULAR FORMATION

- ECG changes after cerebral stimulation. I. Anomalous atrioventricular excitation elicited by electrical stimulation of the mesencephalic reticular formation. Mauck HP Jr, et al. *Amer Heart J* 68:98-101, Jul 64
- Electroencephalographic waves with voluntary movement. Study in the rat. Vanderwolf CH, et al. *Arch Neurol (Chicago)* 11:379-84, Oct 64
- Effect of conditioning stimuli upon evoked potentials in the trigeminal complex in cat. Stewart DH Jr, et al. *Surg Forum* 15:402-4, 1964

## RETICULIN

- Amyloidosis: its differentiation into perireticulin and peri-collagen types. Heller H, et al. *J Path Bact* 88:15-34, Jul 64

## RETICULOCYTES

- Synthesis of ribonucleic acid in rabbit blood cells in vivo. DeBellis RH, et al. *J Clin Invest* 43:1329-37, Jul 64

## RETICULOENDOTHELIAL SYSTEM

- The uptake of fluorescent labelled proteins by normal and tumour tissues in vivo. Easty GC. *Brit J Cancer* 18:368-77, Jun 64
- Tolerance to chronic hemolysis. Castaneda AR, et al. *Surg Forum* 15:84-6, 1964

## RETICULOENDOTHELIOSIS

- Anuria due to uric acid crystalluria: an unusual complication of therapy in the reticuloses. Conolly ME, et al. *Brit J Cancer* 18:247-51, Jun 64
- Pathology of tumours in children. Steward JK. *J Clin Path* 17:407-10, Jul 64
- Cancer in pregnancy. Cade S. *J Obstet Gynaec Brit Comm* 71:341-8, Jun 64

## RETINA

- Retinal dysplasia. Ricks RM, et al. *Arch Ophthalmol (Chicago)* 72:637-41, Nov 64
- Herpes simplex retinopathy in an infant. Cogan DG, et al. *Arch Ophthalmol (Chicago)* 72:641-5, Nov 64
- The ultrastructure of Bruch's membrane. I. Human, monkey, rabbit, guinea pig, and rat eyes. Nakaizumi Y. *Arch Ophthalmol (Chicago)* 72:380-7, Sep 64
- The ultrastructure of Bruch's membrane. II. Eyes with a tapetum. Nakaizumi Y. *Arch Ophthalmol (Chicago)* 72:388-94, Sep 64
- The ultrastructure of Bruch's membrane. 3. The macular area of the human eye. Nakaizumi Y, et al. *Arch Ophthalmol (Chicago)* 72:395-400, Sep 64
- The role of photocoagulation in the management of retinoschisis. Okun E, et al. *Arch Ophthalmol (Chicago)* 72:309-14, Sep 64
- Laser coagulation of ocular tissues. Flocks M, et al. *Arch Ophthalmol (Chicago)* 72:604-11, Nov 64
- Selected topics in ophthalmic biochemistry. Kinoshita JH. *Arch Ophthalmol (Chicago)* 72:554-72, Oct 64
- Histochemistry of the retina in the alloxan-diabetic rat. Newell FW, et al. *Brit J Ophthalmol* 47:596-600, Oct 63
- Distribution of breaks in aphakic and "senile" eyes with retinal detachments. Phillips CI. *Brit J Ophthalmol* 47:744-52, Dec 63
- Coats's disease. 3. Experimental study of the effect of sterile uveal inflammation on rabbits with an induced hyperlipaemia. Woods AC, et al. *Brit J Ophthalmol* 48:330-40, Jun 64
- Pathology of trabecular nerves in open-angle glaucoma. Wolter JR, et al. *Brit J Ophthalmol* 47:1-10, Jan 63
- Photocoagulation of the retina: ophthalmoscopic and histological findings. Lavvyel A. *Brit J Ophthalmol* 47:577-87, Oct 63
- Bitemporal of the visual fields due to an ocular cause. Berry H. *Brit J Ophthalmol* 47:441-4, Jul 63
- Erythrocytic anomalies in hereditary vitreo-retinal degeneration (degeneratio hyaloidoretinalis). Kahan A, et al. *Brit J Ophthalmol* 47:620-31, Oct 63
- The value and dangers of antimalarial therapy in arthritis with special relation to ophthalmic complications. Kersley GD. *Proc Roy Soc Med* 57:669-71, Aug 64

## RETINAL DETACHMENT

- Malignant melanoma en plaque. Local extraocular extension. Alexander RL, et al. *Arch Ophthalmol (Chicago)* 72:498-500, Oct 64
- The scleral buckling procedures. VII. Silicone implants in reoperations. Okamura ID, et al. *Arch Ophthalmol (Chicago)* 72:297-308, Sep 64
- The role of photocoagulation in the management of retinoschisis. Okun E, et al. *Arch Ophthalmol (Chicago)* 72:309-14, Sep 64
- Porocephalus armillatus larvae presenting in the eye. Reid AM, et al. *Brit J Ophthalmol* 47:169-72, Mar 63
- The "string syndrome" seen as a complication of



- Arruga's cerclage suture. Manson N. *Brit J Ophthalmol* 48:70-4, Feb 64
- Distribution of breaks in aphakic and "senile" eyes with retinal detachments. Phillips CI. *Brit J Ophthalmol* 47:744-52, Dec 63
- Distension retinal detachment. Catford GV. *Brit J Ophthalmol* 47:266-70, May 63
- Retinoschisis. Unusual features of the disease and its management. Paul SD. *Brit J Ophthalmol* 47:285-9, May 63
- A scleral buckling procedure. Ruben CM. *Brit J Ophthalmol* 47:350-2, Jun 63
- Evolution of plastic material in the surgery of retinal detachment. Rycroft P. *Brit J Ophthalmol* 48:121-32, Mar 64
- Choroidal haemangio-endothelioma. Lister A, et al. *Brit J Ophthalmol* 47:215-21, Apr 63

## RETINAL HEMORRHAGE

- Herpes simplex retinopathy in an infant. Cogan DG, et al. *Arch Ophthalmol (Chicago)* 72:641-5, Nov 64
- Leukemic miliary nodules in the retina. Kuwabara T. *Arch Ophthalmol (Chicago)* 72:494-7, Oct 64
- Acquired acanthocytosis and myelophthisis in a case of Eales's disease. Kahn A, et al. *Brit J Ophthalmol* 47:632-7, Oct 63
- Coats's disease. I. Review of the literature, diagnostic criteria, clinical findings, and plasma lipid studies. Woods AC, et al. *Brit J Ophthalmol* 47:385-412, Jul 63
- Coats's disease. II. Studies on the identity of the lipids concerned, and the probable role of mucopolysaccharides in its pathogenesis. Duke JR, et al. *Brit J Ophthalmol* 47:413-34, Jul 63
- Anaphylactic reaction caused by intramuscular injection of lyophilized alpha-chymotrypsin. Watson PG. *Brit J Ophthalmol* 48:35-8, Jan 64

## RETINAL PIGMENTS

- A study of bleaching of the fundus oculi in pigmentary degenerations of the retina. Gloster J, et al. *Brit J Ophthalmol* 48:260-73, May 64

## RETINAL VESSELS

- Allergic response of retinal vessel 6. After intravitreal foreign protein. Mutlu F, et al. *Arch Ophthalmol (Chicago)* 72:513-20, Oct 64
- Neuroglial relationships in the human retinal capillary network. Erskine CA. *Brit J Ophthalmol* 47:601-10, Oct 63
- Studies on the mechanism of retinal neovascularization. Role of lactic acid. Imre G. *Brit J Ophthalmol* 48:75-82, Feb 64
- Retinal phlebitis and sinus disease. Hauer Y, et al. *Brit J Ophthalmol* 47:353-6, Jun 63
- Studies of the retinal capillaries in relation to diabetic and other retinopathies. Ashton N. *Brit J Ophthalmol* 47:521-38, Sep 63
- The cilio-retinal arteries. Hayreh SS. *Brit J Ophthalmol* 47:71-89, Feb 63
- Papillitis complicated by central retinal artery occlusion. Abrams JD. *Brit J Ophthalmol* 47:53, Jan 63
- Retinal artery embolism: a complication of carotid endarterectomy. Shillito J Jr, et al. *J Neurosurg* 20:718-20, Aug 63
- Current developments in ophthalmology. Fibrinolysis in retinal vascular occlusion. Blake J. *Proc Roy Soc Med* 57:493-4, Jun 64

## RETINITIS

- Ocular toxoplasmosis. Hogan MJ, et al. *Arch Ophthalmol (Chicago)* 72:592-600, Nov 64
- Retinal neuropathology of late infantile amaurotic idiocy. Wolter JR, et al. *Brit J Ophthalmol* 48:277-84, May 64
- Coats's disease. II. Studies on the identity of the lipids concerned, and the probable role of mucopolysaccharides in its pathogenesis. Duke JR, et al. *Brit J Ophthalmol* 47:413-34, Jul 63
- Coats's disease. I. Review of the literature, diagnostic criteria, clinical findings, and plasma lipid studies. Woods AC, et al. *Brit J Ophthalmol* 47:385-412, Jul 63
- Fluorescein studies of the retinal circulation in diabetics. Scott DJ, et al. *Brit J Ophthalmol* 47:588-9, Oct 63
- Optic neuritis, papillitis, and neuronal retinopathy. Behrman S. *Brit J Ophthalmol* 48:209-17, Apr 64

## RETINITIS PIGMENTOSA

- Retinitis pigmentosa. A new therapeutic approach. Agarwal LP, et al. *Brit J Ophthalmol* 47:144-8, Mar 63
- Retinal neuropathology of late infantile amaurotic idiocy. Wolter JR, et al. *Brit J Ophthalmol* 48:277-84, May 64
- A study of bleaching of the fundus oculi in pigmentary degenerations of the retina. Gloster J, et al. *Brit J Ophthalmol* 48:260-73, May 64
- Current developments in ophthalmology. Fluorescein studies of the choroidal circulation. Hill DW, et al. *Proc Roy Soc Med* 57:800-2, Jun 64

## RETINOBLASTOMA

- Pathology of tumours in children. Steward JK. *J Clin Path* 17:407-10, Jul 64

## RETIREMENT

- Research on human potentialities: application to geriatric programs. Otto HA. *J Amer Geriatr Soc* 12:877-86, Jul 64
- Old age in Western society. I. Bower HM. *Med J Aust* 2:285-92 contd, 22 Aug 64

## RETROLENTAL FIBROPLASIA

- The electro-encephalogram in blind children. Jeavons PM. *Brit J Ophthalmol* 48:83-101, Feb 64
- Hyaloid remnants in the eyes of premature babies. Jones HE. *Brit J Ophthalmol* 47:39-44, Jan 63

## RETROPERITONEAL NEOPLASMS

- A retroperitoneal tumour of the chemodectoma type. Harcourt-Webster JN. *J Clin Path* 17:444-7, Jul 64
- Resection and ligation of the suprarenal inferior vena cava. Caplan BB, et al. *J Urol* 92:25-9, Jul 64

## RETROPERITONEAL SPACE

- Lymphangiographic criteria for diagnosis of retroperitoneal fibrosis. Clouse ME, et al. *Radiology* 83:1-5, Jul 64

## RETROPNEUMOPERITONEUM

- A new method for the roentgenologic opacification of the pancreas. Kisseler B, et al. *Radiology* 83:6-11, Jul 64

## REWARD

- Neurohumors in hypothalamic substrates of reward. Olds J, et al. *Amer J Physiol* 207:242-54, Jul 64

## RH FACTORS

- Inhibition by corticosteroids of red cells lysis in vitro. Agarwal KN, et al. *Acta Endocr (Copenhagen)* 47:Suppl 93:3-27, 1964
- Lack of effect of corticosteroids on the in vivo disappearance of sulfhydryl-inhibited and antibody-coated erythrocytes. Agarwal KN. *Acta Endocr (Copenhagen)* 47:Suppl 93:28-36, 1964
- A study of the distribution of incomplete rhesus antibodies among the serum immunoglobulin fractions. Dodd BE, et al. *J Exp Med* 120:46-55, 1 Jul 64
- Isomunization of the Rh-negative mother during the third stage of labor. Clark TL, et al. *Obstet Gynec* 23:764-7, May 64

## RHABDOMYOMA

- The production of malignant tumours by nickel in the rat. Heath JC, et al. *Brit J Cancer* 18:261-4, Jun 64

## RHABDOMYOSARCOMA

- The production of malignant tumours by nickel in the rat. Heath JC, et al. *Brit J Cancer* 18:261-4, Jun 64
- Cancer of the head and neck in children. Sutow WW. *JAMA* 190:414-6, 2 Nov 64
- Embryonal sarcomas. Wybar K. *Proc Roy Soc Med* 57:738-40, Aug 64
- Preoperative irradiation: evaluation by a simple experimental model. Feder BH, et al. *Radiology* 83:111-9, Jul 64

## RHEUMATIC FEVER

- Poststeroid panniculitis. Report of a case and review of the literature. Roenigk HH Jr, et al. *Arch Derm (Chicago)* 90:387-91, Oct 64
- Thromboembolic complications of rheumatic fever in childhood. Streeter RB. *Dis Chest* 46:61-5, Jul 64
- Rheumatic recurrences in patients not receiving continuous prophylaxis. Johnson EE, et al. *JAMA* 190:407-13, 2 Nov 64

## RHEUMATIC HEART DISEASE

- Spironolactone and plasma cortisol. Metcalf MG. *Brit Med J* 5418:1201, 7 Nov 64
- Thromboembolic complications of rheumatic fever in childhood. Streeter RB. *Dis Chest* 46:61-5, Jul 64
- Case records of the Massachusetts General Hospital: weekly clinicopathological exercises: Case 82-1964. *New Eng J Med* 271:898-905, 22 Oct 64
- Cardiopulmonary manifestations of rheumatoid disease in childhood. Jordan JD. *Southern Med J* 57:1273-7, Nov 64

## RHEUMATISM

- Primer on the rheumatic diseases. 3. *JAMA* 190:509-30, 9 Nov 64
- Primer of the rheumatic diseases. I. *JAMA* 190:127-40, 12 Oct 64
- [The synovial raisin cell. Its value in the diagnosis of rheumatic diseases] Delbarre F, et al. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)

## RHEUMATOID FACTOR

- "Immunological organisation" and activity of human peripheral white-blood-cell cultures. Bartfeld H, et al. *Lancet* 2:767-9, 10 Oct 64
- Hemagglutination by rheumatoid factor of cells coated with animal gamma globulins. Butler VP Jr, et al. *Proc Soc Exp Biol Med* 116:585-93, Jul 64
- [Antibodies of the GM serum system during chronic evolutive polyarthritis] Jacqueline F, et al. *Presse Med* 72:2205-8, 19 Sep 64 (Fr)

## RHINITIS

- A pilot study of acute respiratory illnesses on a college campus. Kapikian AZ, et al. *Amer Rev Resp Dis* 90:175-82, Aug 64

## RHINOPLASTY

- The unilateral cleft lip nose. Millard DR Jr. *Plast Reconstr Surg* 34:169-75, Aug 64
- Incidence of complications in cosmetic rhinoplasties. Klabunde EH, et al. *Plast Reconstr Surg* 34:192-6, Aug 64
- Nasal defects associated with cleft lip deformity. Marcks KM, et al. *Plast Reconstr Surg* 34:176-81, Aug 64

## RHINOSPORIDIOSIS

- Oculosporidiosis: rhinosporidiosis of the eye. Kuriakose ET. *Brit J Ophthalmol* 47:346-9, Jun 63

## RHINOVIRUS

- A description of two newly-recognized rhinoviruses of human origin. Webb PA, et al. *Proc Soc Exp Biol Med* 116:845-52, Jul 64

## RHODOSPIRILLUM

- Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. Merrick JM, et al. *J Bact* 88:60-71, Jul 64
- The reversible interaction of sodium dodecyl sulfate with bacterial chromatophores. Newton JW. *J Biol Chem* 239:1585-8, May 64

## RIBOFLAVIN

- Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA. *Cancer Res* 24:619-25, May 64

## RIBOFLAVIN DEFICIENCY

- Effect of riboflavin deficiency on bone marrow function and protein metabolism in baboons. Preliminary report. Foy H, et al. *Brit J Nutr* 18:307-18, 1964

## RIBONUCLEASE

- Androgen regulation of mouse kidney ribonucleases. Kochakian CD, et al. *Acta Endocr (Copenhagen)* 46:179-84, Jun 64
- Treatment of experimental ascites tumors with crystalline ribonuclease. Podolsky S, et al. *Curr Ther Res* 6:387-93, May 64
- Interaction of phosphorothioate with the disulfide bonds of ribonuclease and lysozyme. Neumann H, et al. *J Biol Chem* 239:1536-40, May 64
- Purification and properties of a microsomal enzyme system catalyzing the reactivation of reduced ribonuclease and lysozyme. Goldberger RF, et al. *J Biol Chem* 239:1406-10, May 64

## RIBOSE

- Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64

## RIBOSOMES

- Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64
- Incorporation of S 35 into ribosomal proteins of *Escherichia coli*. Duerre JA. *J Bact* 88:130-6, Jul 64



Influence of thyroxine on the ribosomal synthesis of collagen. Malt RA, et al. *Surg Forum* 15:54-5, 1964

## RIBS

Absorption of human rib cartilage grafts transplanted to rabbits after preservation by different methods. Krüger E. *Brit J Plast Surg* 17:254-64, Jul 64  
Rib notching. *Brit Med J* 5418:1152, 7 Nov 64  
Thoracic spine fracture with paralysis. Aufranc OE, et al. *JAMA* 189:1018-21, 28 Sep 64

## RICKETS

A guide to the adequacy of therapy in resistant rickets due to familial or essential hypophosphatemia. Stearns G. *J Bone Joint Surg [Amer]* 46:959-64, Jul 64  
Treatment of vitamin-D resistant rickets. A long-term evaluation of its effectiveness. Stamp WG, et al. *J Bone Joint Surg [Amer]* 46:965-77, Jul 64  
Vitamin-D resistant rickets. A long-term clinical study of 11 patients. Tapia J, et al. *J Bone Joint Surg [Amer]* 46:935-58, Jul 64  
Atypical vitamin-D resistant osteomalacia. Report of a case. Yoshikawa S, et al. *J Bone Joint Surg [Amer]* 46:998-1007, Jul 64  
Long-term treatment of vitamin-D resistant rickets. Pierce DS, et al. *J Bone Joint Surg [Amer]* 46:978-97, Jul 64  
Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al. *J Lab Clin Med* 64:14-20, Jul 64  
Studies on vitamin D-resistant rickets; effects of human growth hormone. Gershbberg H, et al. *Metabolism* 13:636-49, Jul 64  
Effect of parathyroid hormone on mucopolysaccharide synthesis in rachitic rat cartilage in vitro. Guri CD, et al. *Proc Soc Exp Biol Med* 116:702-5, Jul 64  
Some observations of renal tubular acidosis—a family study. Seedat YK. *S Afr Med J* 38:606-10, 15 Aug 64

## RICKETS, RENAL

Role of phosphate in treatment of renal tubular (hypophosphatemic) rickets and osteomalacias. Rose GA. *Brit Med J* 5413:857-61, 3 Oct 64  
Renal glomerular osteodystrophy. Craven JD. *Clin Radiol* 15:210-8, Jul 64

## RNA

The relative amounts of DNA and concentrations of RNA in heart muscle of normal and hypertrophied hearts. Capers TH. *Amer Heart J* 68:102-6, Jul 64  
RNA synthesis in cultures of normal human peripheral blood. Epstein LB, et al. *Blood* 24:69-75, Jul 64  
Studies on nucleolar RNA of the Walker 256 carcinosarcoma and the liver of the rat. Muramatsu M, et al. *Cancer Res* 24:1028-34, Jul 64  
Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Freeman JJ, et al. *Endocrinology* 74:990-3, Jun 64  
Cortisol effects on the uterine response to estrogen. Nicolette JA, et al. *Endocrinology* 74:955-9, Jun 64  
Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in *Penicillium atrovirens*. Gottlieb D, et al. *J Bact* 88:114-21, Jul 64  
Metabolism of nucleolar ribonucleic acid after partial hepatectomy. Tsukada K, et al. *J Biol Chem* 239:1564-8, May 64  
Synthesis of ribonucleic acid in rabbit blood cells in vivo. DeBellis RH, et al. *J Clin Invest* 43:1329-37, Jul 64  
Cytologic and cytochemical studies of neuroglia. 3. The DNA content of giant fibrous astrocytes, with implications concerning the nature of these cells. Lapham LW, et al. *J Neuropath Exp Neurol* 23:419-30, Jul 64  
Effect of protein intake on the ribonucleic acid of liver cell sap. Munro HN, et al. *J Nutr* 83:186-92, Jul 64  
The role of RNA in the synthesis of vaccinia virus. Loh PC. *Proc Soc Exp Biol Med* 116:789-92, Jul 64  
Cytochemistry of inclusion bodies in tissue culture cells infected with rabies virus. Love R, et al. *Proc Soc Exp Biol Med* 116:560-3, Jul 64  
[The role of nucleic acids in the mechanism of protein biosynthesis. II.] Gajdos A. *Presse Med* 72:2137-41, 12 Sep 64 (Fr)  
[The role of nucleic acids in the mechanism of protein biosynthesis] Gajdos A. *Presse Med* 72:2101-5, 29 Aug 64 (Fr)

## RNA, BACTERIAL

Synthesis of ribonucleic acid by x-irradiated bacteria. Frampton EW. *J Bact* 87:1369-76, Jun 64  
Biosynthesis of mycobactin, a new antifungal peptide. I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64  
Synthesis of ribonucleic acid by x-irradiated bacteria. Frampton EW. *J Bact* 87:1369-76, Jun 64  
Biosynthesis of mycobactin, a new antifungal peptide.

I. Role of nucleic acid. Banerjee AB, et al. *J Bact* 87:1397-401, Jun 64

## RNA, NEOPLASM

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64  
Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64  
Studies on nucleolar RNA of the Walker 256 carcinosarcoma and the liver of the rat. Muramatsu M, et al. *Cancer Res* 24:1028-34, Jul 64

## RNA, SOLUBLE

Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Bloemendal H, et al. *Cancer Res* 24:994-7, Jul 64

## RODENT DISEASES

Laboratory studies with wild rodents and viruses native to Trinidad. I. Studies on the behavior of coecal virus. Jonkers AH, et al. *Amer J Trop Med* 13:613-9, Jul 64  
Comparison of a lactate dehydrogenase elevating viruslike agent and *Eperythrozoon coccidiosis*. Riley V, et al. *Proc Soc Exp Biol Med* 116:486-90, Jun 64  
Chagas' disease in Peru. I. The epidemiological importance of the guinea pig. Herrer A. *Trop Geogr Med* 16:146-51, Jun 64

## ROOT CANAL THERAPY

[On possibilities of sensitization by foreign bodies in the mouth] Spreng MA. *Int Arch Allerg* 24:Suppl:15-20, 1964 (Ger)

## ROUS SARCOMA VIRUS

Studies on adaptation of Rous sarcoma virus to ducks. Kuwata T. *Cancer Res* 24:947-56, Jul 64  
Effect of 5-iodo-2'-deoxyuridine on multiplication of Rous sarcoma virus in vitro. Force EE, et al. *Proc Soc Exp Biol Med* 116:803-6, Jul 64

## RUBELLA

Rubella and termination of pregnancy. *Brit Med J* 5416:1075-6, 24 Oct 64  
Virologic assistance in the management of German measles in pregnancy. Plotkin SA. *JAMA* 190:265-8, 26 Oct 64  
Rubella during pregnancy. Kampmeier RH. *Southern Med J* 57:1380-1, Nov 64

## RUBIDIUM

Action of surfactants on rubidium loss from frog sciatic nerves. Walsh RR, et al. *Amer J Physiol* 206:1422-4, Jun 64

## RUMEN

Variation in rumen *Butyrivibrio* strains. Margherita SS, et al. *J Bact* 87:1304-8, Jun 64

## RURAL HEALTH

Health and day care for children of migrant workers. Siegel E. *Public Health Rep* 79:847-52, Oct 64

## SACCHAROMYCES

Amino acid accumulation in ethionine-resistant *Saccharomyces cerevisiae*. Sorsoli WA, et al. *J Bact* 88:20-4, Jul 64  
Release of nitrogenous substances by brewer's yeast. 3. Shock excretion of amino acids. Lewis MJ, et al. *J Bact* 87:1389-96, Jun 64  
Amino acid accumulation in ethionine-resistant *Saccharomyces cerevisiae*. Sorsoli WA, et al. *J Bact* 88:20-4, Jul 64  
Release of nitrogenous substances by brewer's yeast. 3. Shock excretion of amino acids. Lewis MJ, et al. *J Bact* 87:1389-96, Jun 64  
Biosynthesis of methionine in *Saccharomyces cerevisiae*. Partial purification and properties of s-adenosylmethionine: homocysteine methyltransferase. Shapiro SK, et al. *J Biol Chem* 239:1551-6, May 64  
Relationship of potassium ion transport to metabolism in acid-induced fermentation in yeast. Scharff TG. *Proc Soc Exp Biol Med* 116:675-7, Jul 64

## SACROCOCYGEAL REGION

Uterosacral block: a new diagnostic procedure. Desrosiers JA, et al. *Obstet Gynec* 23:671-7, May 64

## SALICYLATES

To-day's drugs. Treatment of acute poisoning. I. *Brit Med J* 5414:927-9, 10 Oct 64  
Alkaline diuresis in treatment of aspirin poisoning. Cumming G, et al. *Brit Med J* 5416:1033-6, 24 Oct 64  
Alkaline diuresis for salicylate intoxication. *Brit Med J* 5416:1021-2, 24 Oct 64  
Birch pollen and aspirin psoriasis. A study in salicylate hypersensitivity. Shelley WB. *JAMA* 189:985-8, 28 Sep 64  
A micro method for analysis of plasma salicylate. Potter GD, et al. *Proc Soc Exp Biol Med* 116:658-60, Jul 64

## SALICYLAZOSULFAPYRIDINE

Hemolytic anemia secondary to salicylazosulfapyridine therapy. Gardner MD, et al. *JAMA* 190:71-2, 5 Oct 64

## SALIVA

Salt taste thresholds and cystic fibrosis. Wotman S, et al. *Amer J Dis Child* 108:372-4, Oct 64

## SALIVARY GLAND DISEASES

Management of chronic inflammation of the salivary glands. Lathrop FD. *Ann Otol* 73:528-40, Jun 64

## SALIVARY GLAND NEOPLASMS

Cancer in pregnancy. Cade S. *J Obstet Gynaec Brit Comm* 71:341-8, Jun 64  
Influence of thymectomy on tumor induction by polyoma virus in C57BL mice. Miller JF. *Proc Soc Exp Biol Med* 116:323-7, Jun 64

## SALMONELLA

The heparinized capillary tube as an epidemiologic tool. I. Syphilis and *Salmonella* serologic screening. Worth RM. *Amer J Hyg* 80:62-9, Jul 64

## SALMONELLA INFECTIONS, ANIMAL

Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. Freeman BM, et al. *J Bact* 88:93-5, Jul 64

## SALMONELLA TYPHOSA

Ampicillin in treatment of *Salmonella typhi* carriers and *Brucella melitensis* septicaemia. Farid Z, et al. *Lancet* 2:763, 3 Oct 64

## SALPINGITIS

Utero-tubal implantation. Peel J. *Proc Roy Soc Med* 57:710-4, Aug 64

## SANITARY ENGINEERING

Sewage treatment and schistosome eggs. Rowan WB. *Amer J Trop Med* 13:572-6, Jul 64  
Schistosomiasis and the chlorination of sewage effluent. Rowan WB. *Amer J Trop Med* 13:577-81, Jul 64

## SAPHENOUS VEIN

Effect of venous stasis on long bone growth in the dog. Keck SW, et al. *Surg Forum* 15:443-4, 1964  
The detection and surgery of varices of the lesser saphenous vein. Cheung YH, et al. *Vasc Dis* 1:212-3, Jul 64

## SARCOIDOSIS

Myopathic syndrome in muscular sarcoidosis. Hinterbuchner CN, et al. *Brain* 87:355-66, Jun 64  
Enlargement of parotid gland due to sarcoidosis. Greenberg G, et al. *Brit Med J* 5413:861-2, 3 Oct 64  
Hemoptysis in sarcoidosis. Report of a case. Reed R, et al. *Dis Chest* 46:241-4, Aug 64  
Facial palsy in Heerfordt's syndrome. Lambert V, et al. *J Laryng* 78:684-93, Jul 64

## SARCOMA

Prognosis of cancer of the testis. Follow-up study of 69 cases. Perttala Y. *Ann Chir Gynaec Fenn* 53:349-56, 1964  
A spontaneous transplantable ovarian tumour of the CBA mouse. Whiteley HJ, et al. *Brit J Cancer* 18:252-4, Jun 64  
Medulloblastomas and cerebellar sarcomas: a clinical survey. Berger EC, et al. *J Neurosurg* 20:139-44, Feb 63  
Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. Ojemann RG, et al. *J Neurosurg* 20:471-3, Jun 63  
Pituitary sarcoma; a possible consequence of radiation. Greenhouse AH. *JAMA* 190:269-73, 26 Oct 64



Cancer of the head and neck in children. Sutow WW. *JAMA* 190:414-6, 2 Nov 64  
Embryonal sarcomas. Wybar K  
*Proc Roy Soc Med* 57:738-40, Aug 64

## SARCOMA 37

Treatment of experimental ascites tumors with crystalline ribonuclease. Podolsky S, et al.  
*Curr Ther Res* 6:387-93, May 64

## SARCOMA 180, CROCKER

Phagocytosis in vivo of heterologous red cells in mice with transplanted tumors. Stern K.  
*Cancer Res* 24:1063-9, Jul 64  
Effect of administration of the enzyme glutaminase on the growth of cancer cells. Greenberg DM, et al.  
*Cancer Res* 24:957-63, Jul 64

## SARCOMA, EWING'S

Pathology of tumours in children. Steward JK.  
*J Clin Path* 17:407-10, Jul 64  
Ewing's tumours and neuroblastomas. Marsden HB, et al.  
*J Clin Path* 17:411-7, Jul 64

## SARCOMA, EXPERIMENTAL

Phagocytosis in vivo of heterologous red cells in mice with transplanted tumors. Stern K.  
*Cancer Res* 24:1063-9, Jul 64  
An electron microscope study of sarcoma I in a homologous host. I. The cells of the growing tumor. Chambers VC, et al. *Cancer Res* 24:693-708, May 64  
Cytologic and cytotoxic changes induced by nucleic acids. Smith AG. *Cancer Res* 24:603-13, May 64  
Immunological removal of circulating I-131-labeled rabbit antibody to rat fibrinogen in normal and tumor-bearing rats. Spar IL, et al.  
*J Nucl Med* 5:428-43, Jun 64  
Tumoricidal factor in laser radiation. Minton JP, et al.  
*Surg Forum* 15:335-6, 1964  
Immunogenicity of cell free extracts of neoplastic tissue. Pilch YH. *Surg Forum* 15:348-50, 1964  
Growth of heterologous tumor in thymectomized rats. Jones RF. *Surg Forum* 15:364-5, 1964

## SARCOMA, KAPOSI'S

Kaposi's sarcoma with ocular manifestations. Sezer N, et al. *Brit J Ophthalm* 48:223-6, Apr 64

## SARCOMA, OSTEOGENIC

The treatment of malignant tumours of bone in the dog by intra-arterial injection or perfusion of epodyl (triethyleneglycol diglycidyl ether). Owen LN.  
*Brit J Cancer* 18:407-18, Jun 64  
Unilateral proptosis of unexplained origin. II. Mortada A. *Brit J Ophthalm* 47:445-8, Jul 63

## SARCOMA, RETICULUM CELL

A search for the Burkitt lymphoma in tropical Central America. Rowe NH, et al.  
*Brit J Cancer* 18:228-32, Jun 64  
Primary reticulum-cell sarcoma of the brain. Albites VE. *J Neurosurg* 20:777-83, Sep 63  
Lymphomas: relationship between dosage and recurrence. Jacobs ML, et al.  
*Radiology* 83:106-7, Jul 64

## SARCOMA, YOSHIDA

Inhibition of amino acid incorporation into protein of Yoshida ascites hepatoma cells by glyceraldehyde. Guidotti GG, et al. *Cancer Res* 24:900-5, Jun 64

## SCALP

An unusual skin donor site. Crawford BS.  
*Brit J Plast Surg* 17:311-3, Jul 64  
The use of adhesive tapes for closure of scalp and skin. Otenasek RJ, et al. *J Neurosurg* 20:812-3, Sep 63

## SCHISTOSOMA

Toxicity of copper compounds to the snail vector hosts of the agent of Schistosoma dermatitis, in waters of differing hardness. Howard TE, et al.  
*Amer J Hyg* 80:33-44, Jul 64  
A report on the labeling of Schistosoma japonicum cercariae with radioiron. De la Cruz B, et al.  
*Amer J Trop Med* 13:545-7, Jul 64  
Australorbis tenagophilius in Peru, and its susceptibility to Schistosoma mansoni. Paraense WL, et al. *Amer J Trop Med* 13:534-40, Jul 64  
Schistosomiasis and the chlorination of sewage effluent. Rowan WB.  
*Amer J Trop Med* 13:577-81, Jul 64  
Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban)

in animals infected with Schistosoma mansoni. Browne HG, et al. *Amer J Trop Med* 13:558-71, Jul 64  
Sewage treatment and schistosoma eggs. Rowan WB.  
*Amer J Trop Med* 13:572-6, Jul 64  
Parasitologic, pathologic and serologic reactions to Schistosoma mansoni in monkeys exposed to irradiated cercariae. Sadun EH, et al.  
*Amer J Trop Med* 13:548-57, Jul 64  
An abnormal Schistosoma masoni egg. Bruijning CF.  
*Trop Geogr Med* 16:164-6, Jun 64

## SCHISTOSOMIASIS

Comparative studies of some immunologic screening tests for schistosomiasis in Ethiopia. Buck AA, et al.  
*Amer J Hyg* 80:75-84, Jul 64  
Natural history and prognosis of splenomegaly in schistosomiasis mansoni. Kloetzel K.  
*Amer J Trop Med* 13:541-4, Jul 64  
Bilharziasis of the testis. Houston W.  
*Brit J Urol* 36:220-1, Jun 64  
The problem of bilharzial ureter. Fam A.  
*Brit J Urol* 36:211-9, Jun 64  
Bilharziasis: report of a case treated with TWSb. Rosenthal MG, et al. *J Urol* 92:72-4, Jul 64  
Blood ammonia during bleeding from esophageal varices in patients with hepatosplenic schistosomiasis. Warren KS, et al.  
*New Eng J Med* 271:921-6, 29 Oct 64  
Ammonia metabolism and schistosomiasis.  
*New Eng J Med* 271:961-2, 29 Oct 64  
The mechanism of the passage of the Schistosoma mansoni egg through the wall of the blood vessel. Bruijning CF. *Trop Geogr Med* 16:159-63, Jun 64

## SCHIZOPHRENIA

Dermatological and ophthalmological changes associated with prolonged chlorpromazine therapy. Feldman PE, et al. *Amer J Psychiat* 121:187-8, Aug 64  
Further report on protein-bound iodine in patients receiving perphenazine. Olzman JE, et al.  
*Amer J Psychiat* 121:176-8, Aug 64  
Evaluation of a new phenothiazine derivative in the treatment of schizophrenia. Gerz HO.  
*Amer J Psychiat* 121:174-6, Aug 64  
Space impostor: an unusual clinical case. Wittenberg BH, et al. *Amer J Psychiat* 121:160-6, Aug 64  
Season of birth in schizophrenics; its relation to social class. Barry H 3d, et al.  
*Arch Gen Psychiat* (Chicago) 11:385-91, Oct 64  
Simultaneous death in schizophrenic twins. Wilson IC, et al. *Arch Gen Psychiat* (Chicago) 11:377-84, Oct 64  
What is the albumin level? A comparison of methods for albumin determination. Fessel WJ, et al.  
*Arch Intern Med* (Chicago) 114:547-50, Oct 64  
Endogenous copper clearance in Wilson's disease: a study of the mode of action of penicillamine. Walshe JM. *Clin Sci* 26:461-9, Jun 64  
The use of drug combinations in pediatric psychiatry. Faretra G, et al. *Curr Ther Res* 6:340-3, May 64  
A comparison of pargyline and tranlycpromine with and without the addition of trifluoperazine: a double-blind study. Sharpley P, et al.  
*Curr Ther Res* 6:344-52, May 64  
Water metabolism and the psychiatric patient. Murphy FJ, et al. *J Urol* 92:60-3, Jul 64  
Specific value of drugs in psychiatric illness. Ostow M. *JAMA* 190:557-8, 9 Nov 64  
[CB-8089 (benzperidol-fluorinated butyrophenone) in psychomotor agitation states and mental disorders] Chatagot C, et al. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)  
[Causes and nature of schizophrenic mental disorders. II. Conclusions from our current knowledge and the importance of therapy] Bleuler M.  
*Deutsch Med Wschr* 89:1947-52, 9 Oct 64 (Ger)

## SCHIZOPHRENIA, CHILDHOOD

On the meaning of "playing crazy" in borderline children. Cain AC. *Psychiatry* 27:278-89, Aug 64

## SCHIZOPHRENIC PSYCHOLOGY

"Hypnotizability" and suggestibility in chronic schizophrenics. Barber TX, et al.  
*Arch Gen Psychiat* (Chicago) 11:439-51, Oct 64  
Falling apart: the verbalization of ego failure. Palombo SR, et al. *Psychiatry* 27:248-58, Aug 64

## SCHOLARSHIPS AND FELLOWSHIPS

Sources of support of research and training in pathology. Stowell RE. *Lab Invest* 13:714-6, Jun 64  
Research training in pathology. Powell CC.  
*Lab Invest* 13:717-21, Jun 64

## SCHOOL HEALTH

Refraction anomalies in Tanganyikan children. Johnstone WW, et al. *Brit J Ophthalm* 47:95-108, Feb 63

## SCHOOLS, MEDICAL

Medical manpower. *Lancet* 2:693, 20 Sep 64  
Medical manpower. *Lancet* 2:642-3, 19 Sep 64  
Commemoration of the septi-centenary of Merton College, Oxford. Willis in Oxford: some new MSS. (Willis T), et al. *Proc Roy Soc Med* 57:682-7, Aug 64  
The Washington School of Psychiatry--past dreams and present realities. Kvarnes RG.  
*Psychiatry* 27:295-300, Aug 64

## SCIATIC NERVE

Action of surfactants on rubidium loss from frog sciatic nerves. Walsh RR, et al.  
*Amer J Physiol* 206:1422-4, Jun 64  
Nerve regeneration in replanted canine limbs. Mayer RF, et al. *Amer J Physiol* 206:1415-21, Jun 64  
A study of chromatolysis in dorsal root ganglia at the cellular level. Mackey EA, et al.  
*J Neuropath Exp Neurol* 23:508-28, Jul 64

## SCLERA

Removal of corneoscleral sutures: new technique. Shukla BR, et al.  
*Arch Ophthalm* (Chicago) 72:645-6, Nov 64  
Combined cataract extraction and scleral cauterization. Stocker FW. *Arch Ophthalm* (Chicago) 72:503-4, Oct 64  
Episcleral venous pressure in tonography. Leith AB.  
*Brit J Ophthalm* 47:271-8, May 63  
Distension retinal detachment. Catford GV.  
*Brit J Ophthalm* 47:266-70, May 63  
Oculospidiosis: rhinosporidiosis of the eye. Kuriakose ET. *Brit J Ophthalm* 47:346-9, Jun 63  
A scleral buckling procedure. Ruben CM.  
*Brit J Ophthalm* 47:350-2, Jun 63  
Photocoagulation of the retina: ophthalmoscopic and histological findings. Lavvel A.  
*Brit J Ophthalm* 47:577-87, Oct 63

## SCLEREDEMA ADULTORUM

Scleroderma adultorum. Buschke's Disease. Walton TT Jr. *Southern Med J* 57:1364 passim 1364, Nov 64

## SCLERODERMA

Generalized morphoea. Feiwei M.  
*Proc Roy Soc Med* 57:517-8, Jun 64  
[Scleroderma chronic cor pulmonale] Tourniaire A, et al. *Presse Med* 72:2269-72, 23 Sep 64 (Fr)

## SCOLIOSIS

Experiences with the Harrington instrumentation method in the treatment of idiopathic scoliosis. A preliminary report. Savastano AA, et al.  
*J Int Coll Surg* 42:421-8, Oct 64

## SCOPOLAMINE

Mydriasis and cycloplegia. Foggitt KD.  
*Brit J Ophthalm* 47:253, Apr 63  
The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE.  
*J Pharmacol Exp Ther* 144:45-51, Apr 64

## SEASONS

Season of birth in schizophrenics; its relation to social class. Barry H 3d, et al.  
*Arch Gen Psychiat* (Chicago) 11:385-91, Oct 64  
Seasonal variation in reproductive traits of New Zealand white rabbits. Sittmann DB, et al.  
*J Reprod Fertil* 8:29-37, Aug 64  
Seasonal changes in the occurrence of oestrus following progesterone suppression of ovarian function in the merino ewe. Lamond DR.  
*J Reprod Fertil* 8:101-14, Aug 64

## SEBACEOUS GLANDS

Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Freeman JJ, et al.  
*Endocrinology* 74:990-3, Jun 64  
An in vitro effect of insulin on the preputial gland. Freinkel RK. *Proc Soc Exp Biol Med* 116:680-2, Jul 64

## SEBUM

Value of comedo extraction in treatment of acne vulgaris. Lowney ED, et al.  
*JAMA* 189:1000-2, 28 Sep 64

## SECRETIN

A new method for the roentgenologic opacification of the pancreas. Kisseler B, et al.  
*Radiology* 83:6-11, Jul 64



## SEEDS

- The edible oilseeds industry of South Africa. Vorster LJ. *S Afr Med J* 38:652-4, 22 Aug 64
- Protein value and antitryptic activity of certain pulses grown in South Africa, with special reference to the effect of heat treatment. Dreyer JJ, et al. *S Afr Med J* 38:654-8, 22 Aug 64

## SEGONTIN

- Prenylamine ("segontin") in prophylaxis of angina pectoris attacks. Stables DP, et al. *S Afr Med J* 38:615-7, 15 Aug 64

## SELF-HELP DEVICES

- Page-turner for patients with paralysed hands. Russell WR, et al. *Lancet* 2:893-4, 24 Oct 64

## SELF STIMULATION

- Neurohumors in hypothalamic substrates of reward. Oids J, et al. *Amer J Physiol* 207:242-54, Jul 64

## SELLA TURCICA

- Relative diagnostic value of air study and angiography in suprasellar masses. Bakay L, et al. *J Neurosurg* 20:729-39, Sep 63
- [Differential diagnosis of tumors in the area of the sella turcica] Marguth F. *Deutsch Med Wschr* 89:1838-45, 25 Sep 64 (Ger)

## SEMEN

- Fertility after chemotherapy in male patients with genital tuberculosis. Obrant KO, et al. *Fertil Steril* 15:440-9, Jul-Aug 64
- Refrigerant preservation of human spermatozoa. I. Factors influencing recovery in euspermic semen: clinical applications. Fernandez-Cano L, et al. *Fertil Steril* 15:390-408, Jul-Aug 64
- Infertility in Northern Ireland. A retrospect of nine years in a fertility clinic. II. Observations on genital tuberculosis in the female, sex chromatin study of selected cases of azoospermia and the conception rate after 2-11 years related to semen analysis. Sloan WR. *J Obstet Gynaec Brit Comm* 71:411-7, Jun 64

## SEMICIRCULAR CANALS

- The vestibular Corioli's reaction. Fernandez C, et al. *Arch Otolaryng (Chicago)* 80:469-72, Oct 64

## SEMINAL VESICLES

- Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. Kochakian CD. *Acta Endocr (Kobenhavn)* 46:Suppl 92:1-16, 1964
- Effects of rhinencephalic lesions on endocrine and somatic development in the rat. Kling A. *Amer J Physiol* 206:1395-400, Jun 64

## SENSATION

- Corneal sensitivity and contact lenses. Schirmer KE. *Brit J Ophthalmol* 47:493-5, Aug 63
- Assessment of corneal sensitivity. Schirmer KE. *Brit J Ophthalmol* 47:488-92, Aug 63
- Restoration of digital sensation after transference of nerves. Turnbull F. *J Neurosurg* 20:236-40, Mar 63

## SEPTICEMIA

- Hypothermia in bacteremic shock. Blair E, et al. *Arch Surg (Chicago)* 89:619-29, Oct 64
- ACTH release in vivo and in vitro: extrapituitary mediation during Esch. coli bacteremia. Ando S, et al. *Endocrinology* 74:894-901, Jun 64
- Ampicillin in treatment of Salmonella typhi carriers and Brucella melitensis septicaemia. Farid Z, et al. *Lancet* 2:763, 3 Oct 64
- Susceptibility of vascular sutures to infection in experimental bacteremia. Gonzalez LL, et al. *Surg Forum* 15:68-9, 1964
- Effect of diabetes on experimental infection. Krizek TJ, et al. *Surg Forum* 15:60-1, 1964
- Candida albicans shock. Dennis DL, et al. *Surg Forum* 15:36-7, 1964
- Pseudomonas vaccine and hyperimmune plasma in the treatment of burned patients. Feller I, et al. *Surg Forum* 15:46-7, 1964
- Cyanide production by Pseudomonas aeruginosa. Goldfarb WB, et al. *Surg Forum* 15:467-9, 1964
- [Colibacillary septicemia and bacteremia in adults. Apropos of 14 cases of septicemia] Hazard J, et al. *Presse Med* 72:2089-93, 29 Aug 64 (Fr)

## SERINE

- Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64

## SERODIAGNOSIS

- The heparinized capillary tube as an epidemiologic tool. II. Concentration of blood parasites by centrifugation. Worth RM. *Amer J Hyg* 80:70-4, Jul 64
- The heparinized capillary tube as an epidemiologic tool. I. Syphilis and Salmonella serologic screening. Worth RM. *Amer J Hyg* 80:62-9, Jul 64
- Comparative studies of some immunologic screening tests for schistosomiasis in Ethiopia. Buck AA, et al. *Amer J Hyg* 80:75-84, Jul 64
- The clinical usefulness of fungal serologic testing. Mays EE, et al. *Dis Chest* 46:205-10, Aug 64

## SERTOTHERAPY

- Pseudomonas vaccine and hyperimmune plasma in the treatment of burned patients. Feller I, et al. *Surg Forum* 15:46-7, 1964
- [On the therapy of tetanus] Izar G. *Minerva Med* 55:2409-12, 18 Aug 64 (It)

## SEROTONIN

- Assay of carcinoid tumor for quinonoid derivatives of 5-hydroxytryptamine. Bates HR Jr, et al. *Amer J Clin Path* 42:55-7, Jul 64
- 5-Hydroxytryptamine (serotonin) in acute hypotensive shock. Swank RL, et al. *Amer J Physiol* 207:215-22, Jul 64
- Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64
- Mechanism of bronchoconstriction produced by thromboemboli in dogs. Thomas D, et al. *Amer J Physiol* 206:1207-12, Jun 64
- Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al. *Amer J Physiol* 206:1201-6, Jun 64
- Mechanism of platelet plug formation and role of adenosine diphosphate. Spaet TH, et al. *Amer J Physiol* 206:1267-74, Jun 64
- Shwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. Antopol W, et al. *Arch Path (Chicago)* 78:313-24, Oct 64
- Effect of deoxypyridoxine on signs of pyridoxine deficiency and intestinal 5-hydroxytryptamine. Boullin DJ. *Brit J Nutr* 18:319-23, 1964
- Serotonin suppression of luteinization in gonadotrophin-treated, immature rats. O'Steen WK. *Endocrinology* 74:885-8, Jun 64
- Anaphylactic reactions in mice induced by Bordetella pertussis lipopolysaccharide. Malkiel S, et al. *J Allerg* 35:306-12, Jul-Aug 64
- Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. Raynor RB, et al. *J Neurosurg* 20:94-6, Feb 63
- DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al. *Proc Soc Exp Biol Med* 116:705-12, Jul 64
- On the mechanism of emesis induced by 5-hydroxytryptamine. Cahen RL. *Proc Soc Exp Biol Med* 116:402-4, Jun 64
- The role of serotonin in the digestive process. Edynak E, et al. *Surg Forum* 15:301-3, 1964
- Cinephotomicrographic studies of the pial vasculature in the monkey and cat. Scratch GP, et al. *Surg Forum* 15:409-10, 1964

## SEROTONIN INHIBITORS

- Shwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. Antopol W, et al. *Arch Path (Chicago)* 78:313-24, Oct 64
- Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. Raynor RB, et al. *J Neurosurg* 20:94-6, Feb 63

## SEROUS MEMBRANE

- Intestinal absorption of bile salts in the rat. Holt PR. *Amer J Physiol* 207:1-7, Jul 64

## SERTOLI CELL TUMOR

- Histological effects of intra-testicular injections of cadmium chloride in domestic fowl. Guthrie J. *Brit J Cancer* 18:255-60, Jun 64
- Sertoli-cell tumour. Collins DH, et al. *Brit J Urol* 36:Suppl:52-61, Jun 64

## SERUM ALBUMIN

- Serum protein turnover in experimental hypo- and hyperthyroidism. Kekki M. *Acta Endocr (Kobenhavn)* 46:Suppl 91:1-137, 1964
- Estimation of plasma protein. Watson D. *Amer Heart J* 68:137-8, Jul 64
- Albumin metabolism in cystic fibrosis. Pittman FE, et al. *Amer J Dis Child* 108:360-5, Oct 64
- What is the albumin level? A comparison of methods for

- albumin determination. Fessel WJ, et al. *Arch Intern Med (Chicago)* 114:547-50, Oct 64
- The loss of protein in human and canine hepatic bile. Hardwicke J, et al. *Clin Sci* 26:509-17, Jun 64
- Detection of a prealbumin in sera of children following extensive burns. Lytle RI, et al. *J Lab Clin Med* 64:117-24, Jul 64
- Serum proteins in myasthenia gravis. Kornfeld P. *JAMA* 190:463, 2 Nov 64
- Effect of the insulin-inhibitory albumin fraction from normal and diabetic subjects on adipose tissue. Alp H, et al. *Metabolism* 13:809-19, Jul 64
- Serum albumin supplemented medium for long term cultivation of mammalian fibroblast strains. Todaro GJ, et al. *Proc Soc Exp Biol Med* 116:688-92, Jul 64
- Cutaneous anaphylactic reactions with antibodies of different qualities. Cochrane CG. *Proc Soc Exp Biol Med* 116:475-80, Jun 64
- Changes in plasma proteins after portacaval shunt in the rat. Kennan AL. *Proc Soc Exp Biol Med* 116:543-4, Jun 64
- Effect of renal arterial infusion of albumin on saline diuresis in the dog. Earley LE. *Proc Soc Exp Biol Med* 116:262-5, Jun 64

## SERUM ALBUMIN, BOVINE

- Fragmentation of bovine serum albumin by pepsin. I. The origin of the acid expansion of the albumin molecule. Weber G, et al. *J Biol Chem* 239:1415-23, May 64
- Fragmentation of bovine serum albumin by pepsin. II. Isolation, amino acid composition, and physical properties of the fragments. Weber G, et al. *J Biol Chem* 239:1424-31, May 64

## SERUM ALBUMIN, RADIO-IODINATED

- Hormonal effects on metabolism and distribution of plasma albumin in the dog. Takeda Y. *Amer J Physiol* 206:1229-36, Jun 64
- Metabolism and distribution of autologous and homologous albumin-I-131 in the dog. Takeda Y. *Amer J Physiol* 206:1223-8, Jun 64
- The use of radiolabeled serum albumin to confirm accidental intravascular insertion of epidural catheters. Duncalf D, et al. *Anesthesiology* 25:564-6, Jul-Aug 64
- In vitro studies on the fate of antigen. 3. The in vitro fate of I-131-HSA in the presence of cells and cell extracts from normal, immune, and tolerant rabbits. Rhodes JM, et al. *Int Arch Allerg* 24:342-55, 1964
- Studies and clinical observations of infusion of anti-cancerous agents into lymph vessel system. Kitagawa S, et al. *J Int Coll Surg* 42:358-9, Oct 64
- Test for patency of ventriculovascular shunt for hydrocephalus with radioactive iodinated serum albumin. Kagen A, et al. *J Neurosurg* 20:1025-8, Dec 63
- Radioisotopic localization in subdural hematomas. An experimental study with arsenic-74 and radiolabeled human serum albumin in dogs. Mealey J Jr. *J Neurosurg* 20:770-6, Sep 63
- Placenta localization using radioactive I-131-tagged human serum albumin. Thaidigsman JH, et al. *Obstet Gynec* 23:757-63, May 64
- Extracranial measurement of regional cerebral blood flow by intracarotid injection of RISA. Ojemann RG, et al. *Surg Forum* 15:407-8, 1964

## SERUM GLOBULIN

- Serum protein turnover in experimental hypo- and hyperthyroidism. Kekki M. *Acta Endocr (Kobenhavn)* 46:Suppl 91:1-137, 1964
- Estimation of plasma protein. Watson D. *Amer Heart J* 68:137-8, Jul 64
- The antigenic composition of tumours, sera and urines of tumour-bearing mice and the partial purification of two antigens present in increased amounts. Witz I, et al. *Brit J Cancer* 18:397-408, Jun 64
- Reversal by ferric iron of serum inhibition of respiration and growth of Bacillus subtilis. Bornside GH, et al. *J Bact* 87:1443-51, Jun 64
- A study of the distribution of incomplete rhesus antibodies among the serum immunoglobulin fractions. Dodd BE, et al. *J Exp Med* 120:45-55, 1 Jul 64
- Increased globulin fractionation by an improved vertical gel electrophoretic technique. Lorber A. *J Lab Clin Med* 64:133-44, Jul 64

## SEWAGE

- Schistosomiasis and the chlorination of sewage effluent. Rowan WB. *Amer J Trop Med* 13:577-81, Jul 64
- Sewage treatment and schistosome eggs. Rowan WB. *Amer J Trop Med* 13:572-6, Jul 64

## SEX

- Host-parasite relationships among group A streptococci. II. Influence of sex on the susceptibility



of inbred mice toward streptococcal infection.  
 [Am J Pathol 87:1457-60, Jun 64]

## SEX CHROMATIN

Infertility in Northern Ireland. A retrospect of nine years in a fertility clinic. II. Observations on genital tuberculosis in the female, sex chromatin study of selected cases of azoospermia and the conception rate after 2-11 years related to semen analysis. Sloan WR. *J Obstet Gynaec Brit Comm* 71:411-7, Jun 64  
 Buccal smears in the newborn female. Frasier SD, et al. *J Pediat* 65:222-5, Aug 64  
 Chromosomes without tears. I. Valentine GH. *Practitioner* 193:61-8 contd, Jul 64  
 ["True" and "false" Klinefelter syndromes] Riviere J, et al. *Presse Med* 72:2511-3, 17 Oct 64 (Fr)

## SEX DIFFERENTIATION DISORDERS

Buccal smears in the newborn female. Frasier SD, et al. *J Pediat* 65:222-5, Aug 64

## SEX EDUCATION

Ectopic pregnancy: an increasing social disease?  
 Zelenik JS. *Obstet Gynec* 23:810-2, Nov 64

## SEX HORMONES

Clinical, hormonal and cytogenetic findings in a true hermaphrodite. Shearman RP, et al. *J Obstet Gynaec Brit Comm* 71:627-33, Aug 64  
 The effect of various anti-inflammatory drugs on the accumulation of leucocytes in the peritoneal cavity of mice. Northover BJ. *J Path Bact* 88:332-5, Jul 64

## SHEEP

Total body water in farm animals. Hansard SL. *Amer J Physiol* 206:1369-72, Jun 64  
 Antigenic characteristics of spermatozoa from bulls, rams and boars. II. Sperm agglutinins in normal and immune sera. Matousek J. *J Reprod Fertil* 8:5-11, Aug 64

## SHEEP DISEASES

Spontaneous "atheroma" in sheep. Roser BJ, et al. *J Path Bact* 88:73-8, Jul 64  
 Dissecting aneurysm in a ram. Manley GW, et al. *J Path Bact* 88:320-2, Jul 64  
 The aetiology of cysts in the skin of some families of Merino sheep in Australia. Lloyd LC. *J Path Bact* 88:219-27, Jul 64  
 Mycobacterial disease in man and animals. John's disease in domestic and experimental animals. Chandler RL. *Proc Roy Soc Med* 57:481-2, Jun 64

## SHIGELLA

[The survival of *Shigella sonnei* in a cheese experimentally contaminated and preserved in a refrigerator] Szturm Rubinsten S. *Presse Med* 72:2115-6, 29 Aug 64 (Fr)

## SHIPS

Tuberculosis among seamen. Jacobs S, et al. *Public Health Rep* 79:933-6, Oct 64

## SHOCK

5-Hydroxytryptamine (serotonin) in acute hypotensive shock. Swank RL, et al. *Amer J Physiol* 207:215-22, Jul 64  
 Vascular manifestations of extensive thermal skin injury in rat mesentery. Horn L, et al. *Amer J Physiol* 207:137-43, Jul 64  
 Hemodynamic effects of pressor agents in septic and myocardial infarction shock. Smulyan H, et al. *JAMA* 190:188-94, 19 Sep 64  
 Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. MacKenzie GJ, et al. *Lancet* 2:825-32, 17 Oct 64  
 Internal fluid shifts secondary to intraperitoneal nitrogen mustard. Brown FE, et al. *Surg Forum* 15:386-7, 1964  
 Combined use of norepinephrine and dibenzylamine in clinical shock. Wilson RF, et al. *Surg Forum* 15:30-1, 1964  
 [Cardiologic emergencies in childhood] Heintzen P. *Deutsch Med Wschr* 89:1477-82, 31 Jul 64 (Ger)

## SHOCK, HEMORRHAGIC

5-Hydroxytryptamine (serotonin) in acute hypotensive shock. Swank RL, et al. *Amer J Physiol* 207:215-22, Jul 64  
 Cardiac and peripheral failure in hemorrhagic shock in the dog. Rothe CF, et al. *Amer J Physiol* 207:103-14, Jul 64  
 Acidosis and blood epinephrine levels in hemorrhagic

hypotension. Darby TD, et al. *Amer J Physiol* 206:1281-4, Jun 64  
 Effect of hemorrhagic shock on release of norepinephrine by tyramine. Harrison DC, et al. *Amer J Physiol* 206:1262-6, Jun 64  
 Ventilatory mechanics in hypovolemic shock. Cahill JM, et al. *J Appl Physiol* 19:679-82, Jul 64  
 Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. Cort JH, et al. *Lancet* 2:840-1, 17 Oct 64  
 Effect of low molecular weight dextrans and fibrinolysis on hemorrhagic shock. Schlueter TM, et al. *Surg Forum* 15:32-4, 1964  
 Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. Unal M, et al. *Surg Forum* 15:25-7, 1964  
 Correction of the renal concentrating defect in hemorrhagic shock. Wright HK, et al. *Surg Forum* 15:18-20, 1964  
 Treatment of experimental hemorrhagic shock in dogs with mitochondria. Hashimoto S, et al. *Surg Forum* 15:10-2, 1964  
 Effects of vasopressors and blocking agents on the kidney in oligemia. Glojubs RW, et al. *Surg Forum* 15:12-3, 1964  
 Protective influence of external counter-pressure after acute hemorrhage in dogs. Anderson LG, et al. *Surg Forum* 15:4-6, 1964  
 Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextrans, or shed blood. Hoyt RK, et al. *Surg Forum* 15:34-5, 1964  
 Splanchnic blood flow in the monkey during hemorrhagic shock. Waldhausen JA, et al. *Surg Forum* 15:7-8, 1964  
 Lymphatic flora in third degree burns. DeWitt RJ, et al. *Surg Forum* 15:41-3, 1964  
 Protective effect of adenosine triphosphate in experimental hemorrhagic shock. Sharma GP, et al. *Surg Forum* 15:27-9, 1964  
 [Studies on liver circulation during hemorrhagic shock; the relation between liver circulation and cardiac output and oxygen consumption in the internal organs] Yoshida T. *Jap Circ J* 28:704-11, Sep 64 (Jap)

## SHOCK, SURGICAL

Hemodynamic effects of low viscosity dextran in surgical shock. Carey JS, et al. *Surg Forum* 15:22-4, 1964

## SHOCK THERAPY

[Causes and nature of schizophrenic mental disorders. II. Conclusions from our current knowledge and the importance of therapy] Bleuler M. *Deutsch Med Wschr* 89:1947-52, 9 Oct 64 (Ger)

## SHOCK THERAPY, ELECTRIC

Pain following E.C.T. modified by muscle relaxants. Devine R, et al. *Brit Med J* 5416:1046-8, 24 Oct 64

## SHOCK, TOXIC

Alteration of vascular responses to endotoxin by adrenergic blockade. Brake CM, et al. *Amer J Physiol* 207:149-51, Jul 64  
 Mechanism and significance of endotoxin-induced sensitization to acetylcholine in rabbits. Hildebrand GJ, et al. *Amer J Physiol* 206:1213-6, Jun 64  
 Hypothermia in bacteremic shock. Blair E, et al. *Arch Surg (Chicago)* 89:619-29, Oct 64  
 The management of experimental endotoxin shock. The circulatory effects of levarterenol, hydrocortisone, phenoxylbenzamine hydrochloride, and blood volume expansion. Smith LL, et al. *Arch Surg (Chicago)* 89:630-6, Oct 64  
 Hemodynamic effects of pressor agents in septic and myocardial infarction shock. Smulyan H, et al. *JAMA* 190:188-94, 19 Sep 64  
 Oxygen uptake and cardiovascular response of mice and rabbits administered "hematoporphyrin". Modell J, et al. *Proc Soc Exp Biol Med* 116:395-9, Jun 64  
 Candida albicans shock. Dennis DL, et al. *Surg Forum* 15:36-7, 1964

## SHOCK, TRAUMATIC

Serum transaminase response to drum trauma in conditioned animals. Sievert HW, et al. *Proc Soc Exp Biol Med* 116:754-7, Jul 64  
 Effect of phenoxylbenzamine on phagocytic activity and shock mortality in the rat. Filkins JP, et al. *Proc Soc Exp Biol Med* 116:757-62, Jul 64  
 Successful treatment of crush and amputation shock following prolonged periods of ischemia. Mehl RL, et al. *Surg Forum* 15:1-3, 1964  
 The mechanism and treatment of verdoglobulinuria in *Pseudomonas* sepsis. Stone HH, et al. *Surg Forum* 15:41-3, 1964

Effect of the intestinal bacteria on recovery from burn injury. Rosoff CB. *Surg Forum* 15:39-41, 1964

## SHOES

Office measures for relief of the painful foot. Milgram JE. *J Bone Joint Surg [Amer]* 46:1095-116, Jul 64

## SHOULDER

[Muscle-tendon transplantations for paralysis of the upper extremity] Iselin F. *Presse Med* 72:2339-42, 26 Sep 64 (Fr)

## SHOULDER JOINT

Problems in diagnosing osteoarticular tuberculosis. Hunt DD. *JAMA* 190:95-8, 12 Oct 64

## SHWARTZMAN PHENOMENON

Shwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. Antopol W, et al. *Arch Path (Chicago)* 78:313-24, Oct 64  
 Production of the generalized Shwartzman reaction in pregnant rats by intravenous infusion of thrombin. Margaretten W, et al. *Lab Invest* 13:552-9, Jun 64

## SILICONES

The scleral buckling procedures. VII. Silicone implants in reoperations. Okamura ID, et al. *Arch Ophthal (Chicago)* 72:297-308, Sep 64

## SILICOSIS

Socioeconomic aspects of the pneumoconioses. Trasko VM. *Arch Environ Health (Chicago)* 9:521-8, Oct 64

## SILKWORMS

The significance of invertebrate hormones in relation to differentiation. Burdette WJ. *Cancer Res* 24:521-36, May 64

## SIMMONDS' DISEASE

The effect of human gonadotrophins on a patient with Simmonds's disease. Crooke AC, et al. *Acta Endocr (Kobenhavn)* 46:292-9, Jun 64

## SINUSITIS

Retinal phlebitis and sinus disease. Hauer Y, et al. *Brit J Ophthal* 47:353-6, Jun 63

## SKIN

Mechanical properties of the collagenous framework of skin in rats of different ages. Fry P, et al. *Amer J Physiol* 206:1425-9, Jun 64  
 A note on the cutaneous arterial vessels of some primates. Baccaredda-Boy A. *Angiologica (Basel)* 1:209-12, 1964  
 The fatty acid composition of the sterol-wax ester and mono- and diglyceride fractions of mouse epidermis undergoing normal and abnormal growth changes. Carruthers C, et al. *Cancer Res* 24:1008-11, Jul 64  
 Autonomic changes during paroxysmal EEG activity. Johnson LC, et al. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64  
 Studies on the permeability increasing factor (PIF) in skin extracts. Inderbitzin T. *Int Arch Allerg* 24:332-41, 1964  
 Field method for concentrating *Mycobacterium leprae* in skin biopsy specimens. Kar S, et al. *Int J Leprosy* 32:18-23, Jan-Mar 64  
 Demonstration of gamma-2 globulin in human skin. Allansmith M, et al. *J Allerg* 35:313-21, Jul-Aug 64  
 Hexadecane-induced hyperkeratinization of guinea pig skin. I. Changes in epidermal weight and water binding. Kirk DL, et al. *J Invest Derm* 43:93-8, Aug 64  
 A cultural method of quantitatively studying the microorganisms in the skin. Updegraff DM. *J Invest Derm* 43:129-37, Aug 64  
 A new technic for the demonstration of skin temperature patterns. Crissey JT, et al. *J Invest Derm* 43:89-91, Aug 64  
 S-adenosylmethionine in skin. Bamshad J, et al. *J Invest Derm* 43:115-7, Aug 64  
 The porphyrin content of skin. Pathak MA, et al. *J Invest Derm* 43:119-20, Aug 64  
 Regulation of the free amino acids of skin by hydrocortisone. Ryan WL. *J Invest Derm* 43:121-3, Aug 64  
 Catechol O-methyl transferase in skin. Bamshad J, et al. *J Invest Derm* 43:111-3, Aug 64  
 Adrenaline precursors in the inflammatory reaction. Willoughby DA, et al. *J Path Bact* 88:159-66, Jul 64  
 Keratin formation in a chemically defined medium. Pullar P. *J Path Bact* 88:203-12, Jul 64  
 The effect of cortisol on mitosis in the skin of the mouse. Davis JC. *J Path Bact* 88:247-54, Jul 64



- Androgens and the skin. Ebling FJ.  
*Proc Roy Soc Med* 57:525-7, Jun 64
- Distribution of cesium-137 after chronic exposure in dogs and mice. Furchner JE, et al.  
*Proc Soc Exp Biol Med* 116:375-8, Jun 64
- The nature of late reactions following intradermal injection of heterologous anti-tissue sera. Krakower CA, et al. *Proc Soc Exp Biol Med* 116:301-6, Jun 64
- Effects of angiotensin on the toad skin. Barbour BH, et al. *Proc Soc Exp Biol Med* 116:806-8, Jul 64
- Enhancement of vascular permeability by mixtures of C'1 esterase and normal serum. Smink RD Jr, et al. *Proc Soc Exp Biol Med* 116:280-3, Jun 64
- Tensile strength of skin collagen. Mendoza SA, et al. *Surg Forum* 15:433-4, 1964
- Studies on wound contraction. Phillips JL, et al. *Surg Forum* 15:56-8, 1964
- Relationship of skin carriage to postoperative staphylococcal wound infection. Cole WR, et al. *Surg Forum* 15:52-4, 1964
- [The relay system in the defense mechanism of the skin] Schnitzer A. *Int Arch Allerg* 24:Suppl:1-8, 1964 (Ger)

## SKIN DISEASES

- Calciifying epithelioma of Malherbe. Peterson WC Jr, et al. *Arch Derm (Chicago)* 90:404-10, Oct 64
- Familial Schamberg's disease. Baden HP.  
*Arch Derm (Chicago)* 90:400, Oct 64
- Eccrine poroma. A Japanese case showing melanin granules and melanocytes in the tumor. Yasuda T, et al. *Arch Derm (Chicago)* 90:428-31, Oct 64
- Adherence of bath oil to keratin. Knox JM, et al. *Brit Med J* 5416:1048-50, 24 Oct 64
- Endocrine influences on the skin.  
*Brit Med J* 5415:1005, 17 Oct 64
- The aetiology of cysts in the skin of some families of Merino sheep in Australia. Lloyd LC.  
*J Path Bact* 88:219-27, Jul 64
- Generalized morphea. Feiwel M.  
*Proc Roy Soc Med* 57:517-8, Jun 64
- Malignant atrophic papulosis (Dagosa's syndrome). Hall-Smith SP. *Proc Roy Soc Med* 57:519-21, Jun 64
- Hepato-cutaneous syndrome. Sarkany I.  
*Proc Roy Soc Med* 57:521-2, Jun 64
- Granuloma of the skin due to *Mycobacterium fortuitum*. Shocket E, et al.  
*Southern Med J* 57:1352-6, Nov 64
- [Fluocinolone acetonide (0.01 per cent) under occlusive dressing: therapeutic value in dermatology of this new product in weak concentration] Bazex A, et al. *Presse Med* 72:2387-8, 3 Oct 64 (Fr)
- [On a little-known form of cutaneous anthrax: the bullous or multi-bullous form] Marinesco G.  
*Presse Med* 72:2209-10, 19 Sep 64 (Fr)
- [Diseases with autoantibodies. Clinical and experimental data] Mikol C, et al.  
*Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)

## SKIN MANIFESTATIONS

- Dermatological and ophthalmological changes associated with prolonged chlorpromazine therapy. Feldman PE, et al. *Amer J Psychiat* 121:187-8, Aug 64
- Cutaneous manifestations of systemic lupus erythematosus. Tuffanelli DL, et al.  
*Arch Derm (Chicago)* 90:377-86, Oct 64
- Abnormal facial sweating. Pearce JM.  
*Brit J Clin Pract* 18:409-12, Jul 64
- Some neurosurgical aspects of the so-called phakomatoses. Obrador S.  
*J Neurosurg* 20:296-302, Apr 63
- Dengue fever: a thrombocytopenic disease? Nelson ER, et al. *JAMA* 190:99-103, 12 Oct 64

## SKIN NEOPLASMS

- Disseminated hemangiomatosis. The newborn with central nervous system involvement. Burke EC, et al. *Amer J Dis Child* 108:418-24, Oct 64
- Fluorescent test for skin malignancy. Burrows D.  
*Arch Derm (Chicago)* 90:411, Oct 64
- Ectopic meningioma in an infant. Khanna SD, et al.  
*Arch Surg (Chicago)* 89:752-4, Oct 64
- Regional keloid susceptibility. Crockett DJ.  
*Brit J Plast Surg* 17:245-53, Jul 64
- Endolymphatic therapy with radioactive gold for malignant melanoma. Jantet GH, et al.  
*Brit Med J* 5414:904-8, 10 Oct 64
- Chemically induced regressing experimental epidermal tumors in mice. Frei JV.  
*Cancer Res* 24:1083-4, Jul 64
- Histochemistry of hydrolytic and oxidative enzymes in experimental skin carcinoma of the mouse. Auerbach WM. *Cancer Res* 24:937-46, Jul 64
- The fatty acid composition of the sterol-wax ester and mono- and diglyceride fractions of mouse epidermis undergoing normal and abnormal growth changes. Carruthers C, et al. *Cancer Res* 24:1008-11, Jul 64

## SKIN TESTS

- Angiotensin skin test and its relation to hypertension in man. Hradcová L, et al.  
*Helv Paediat Acta* 19:87-98, Jun 64
- The reagin-allergen reaction in the skin without concomitant wheal and flare. Richter M, et al.  
*J Allerg* 35:356-60, Jul-Aug 64
- Cross-sensitivity between streptomycin and dihydrostreptomycin. Wenzel FJ, et al.  
*J Invest Derm* 43:99-101, Aug 64
- Instability of myelin antigens derived from human brain. Böhme D, et al. *Lancet* 2:886-8, 24 Oct 64
- [Acetylcholine and histamine bronchial spasm in neurodermatitis and control subjects] Gottesfeld F. *Int Arch Allerg* 24:Suppl:52-3, 1964 (Ger)
- [Neurodermatitis: course, test results and pathogenesis] Eichenberger M.  
*Int Arch Allerg* 24:Suppl:56-7, 1964 (Ger)
- [Immunological studies with natural and synthetic ACTH in subjects allergic to ACTH] Schwarz-Speck M, et al. *Int Arch Allerg* 24:Suppl:29-47, 1964 (Ger)
- [Studies with natural and synthetic ACTH in subjects allergic to ACTH. Clinical studies] Maeder E. *Int Arch Allerg* 24:Suppl:27-8, 1964 (Ger)

## SKIN TRANSPLANTATION

- Studies on prolonged homograft survival: a new method of approach. Jolley WB, et al.  
*Amer J Surg* 108:239-44, Aug 64
- One-stage primary reconstruction of the cervical oesophagus by means of a free tubular graft of penile skin. Kaplan I, et al. *Brit J Plast Surg* 17:314-9, Jul 64
- The open palm technique in Dupuytren's contracture. McCash CR. *Brit J Plast Surg* 17:271-80, Jul 64
- An unusual skin donor site. Crawford BS.  
*Brit J Plast Surg* 17:311-3, Jul 64
- Modification of the immune response of mice to skin homografts and heterografts by Ehrlich ascites carcinoma. McCarthy RE. *Cancer Res* 24:915-9, Jun 64
- The aetiology of cysts in the skin of some families of Merino sheep in Australia. Lloyd LC.  
*J Path Bact* 88:219-27, Jul 64
- Antiglobulin consumption test in rabbit homotransplantation. McDonald JC, et al.  
*JAMA* 190:122-6, 12 Oct 64
- The split-thickness skin graft in the management of hereditary hemorrhagic telangiectasia involving the nasal mucosa. Letterman G, et al.  
*Plast Reconstr Surg* 34:126-35, Aug 64
- Masquerade graft technique for simultaneous reconstruction of upper and lower eyelids in patients with blastomycosis, amyloidosis or other chronic septic destructive lesions. Snyder GB, et al.  
*Plast Reconstr Surg* 34:163-8, Aug 64
- Management of the burned hand. Harttrampf CR Jr. *Southern Med J* 57:1342-5, Nov 64
- In vitro test to detect the degree of antigenic difference between individuals. Bain B, et al.  
*Surg Forum* 15:151-2, 1964
- Caproic acid analogues to prolong survival of skin homografts. Cramer LM, et al.  
*Surg Forum* 15:479-80, 1964
- A simple method for the preparation of cell free transplantation antigens. Physical and biological properties. Monaco AP, et al.  
*Surg Forum* 15:133-5, 1964
- Induction of tolerance with disrupted antigen, imuran, and sublethal irradiation. McKneally MF, et al.  
*Surg Forum* 15:131-2, 1964
- Deficiency of effective histocompatibility antigens in pituitary and parathyroid tissue. Gittes RF, et al.  
*Surg Forum* 15:164-6, 1964
- Splenectomy in immunosuppressive regimens in dog and man. Veith FJ, et al. *Surg Forum* 15:161-3, 1964
- Differential skin and renal homograft survival in dogs on immunosuppressive therapy. Sheil AG, et al.  
*Surg Forum* 15:166-8, 1964
- Effect of whole blood on the survival time of skin homografts in rabbits. Colberg JE, et al.  
*Surg Forum* 15:139-41, 1964
- Heterologous mouse anti-lymphocyte serum to prolong skin homografts. Gray JG, et al.  
*Surg Forum* 15:142-4, 1964
- Cryotolerance of superoxygenated human skin explants. Barner HB, et al. *Surg Forum* 15:477-8, 1964
- Tissue oxygen tension in pedicle flaps, local hypertrophy, and thermal burns. Pollock WJ, et al.  
*Surg Forum* 15:471-2, 1964
- Vascularization of skin grafts. Smith JW, et al.  
*Surg Forum* 15:473-5, 1964
- Frozen skin autografts protected by dimethyl sulfoxide. Barlyn LW, et al. *Surg Forum* 15:475-7, 1964

## SKIN ULCER

- Virus aetiology of Behçet's syndrome. Mortada A, et al.  
*Brit J Ophthalmol* 48:250-9, May 64
- Mycobacterial skin ulcers in Uganda: histopathological and experimental aspects. Dodge OG.  
*J Path Bact* 88:169-74, Jul 64
- Mycobacterial skin ulcers in Uganda: description of a

- new *Mycobacterium* (*Mycobacterium buruli*). Clancey JK. *J Path Bact* 88:175-87, Jul 64
- 'Orabase' in the management of abdominal-wall digestion by ileostomy and fistulas. Sircus W. *Lancet* 2:762, 3 Oct 64

## SKULL

- Coexisting hyperparathyroidism and Paget's disease. Martin MM, et al.  
*Arch Intern Med (Chicago)* 114:482-6, Oct 64
- Cranioplasty in a craniopagus twin. Voris HC.  
*J Neurosurg* 20:145-7, Feb 63
- The fate of replaced bone flaps. Hancock DO.  
*J Neurosurg* 20:983-4, Nov 63
- Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. Ojemann RG, et al. *J Neurosurg* 20:471-3, Jun 63
- Neurosurgical classic. V. Wilkins RH.  
*J Neurosurg* 20:267-70 contd, Mar 63
- The vacuum extractor-experimental demonstration of distortion of the foetal skull. Awon MP.  
*J Obstet Gynaec Brit Comm* 71:634-6, Aug 64

## SKULL FRACTURES

- Severe epistaxis caused by ruptured aneurysm of the internal carotid artery. McCormick WF, et al.  
*J Neurosurg* 21:878-86, Aug 64
- Traumatic occlusion of the basilar artery within a clivus fracture. Loop JW, et al. *Radiology* 83:36-40, Jul 64
- [Pathological-anatomical findings in the cervical spine region of patients with skull injuries with fatal outcome] Leichsenring F.  
*Deutsch Med Wschr* 89:1469-75, 31 Jul 64 (Ger)

## SKULL NEOPLASMS

- Cavernous hemangioma of the base of the skull; report of a case treated surgically. Pásztor E, et al.  
*J Neurosurg* 21:582-5, Jul 64
- Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. Ojemann RG, et al. *J Neurosurg* 20:471-3, Jun 63

## SLEEP

- Variation in arterial pressure throughout the day and night. Richardson DW, et al. *Clin Sci* 26:445-60, Jun 64
- The effects of stage four sleep deprivation. Agnew HW Jr, et al.  
*Electroenceph Clin Neurophysiol* 17:68-70, Jul 64
- Dream recall and the physiology of sleep. Shapiro A, et al. *J Appl Physiol* 19:778-83, Jul 64
- Effect of central nervous system lesions on barbiturate sleeping time in the rat. Harvey JA, et al.  
*J Pharmacol Exp Ther* 144:24-36, Apr 64

## SLEEP DISORDERS

- Somnambulistic homicide. Podolsky E.  
*Amer J Psychiat* 121:191-2, Aug 64
- Paralysis of conjugate vertical ocular movements and disturbance of sleep rhythm. Loh RC, et al.  
*Brit J Ophthalmol* 48:399-401, Jul 64
- The effect of LSD on the sleep cycle of the cat. Hobson JA. *Electroenceph Clin Neurophysiol* 17:52-6, Jul 64
- A case of long-standing narcolepsy in a coalminer. Williamson DM. *Practitioner* 193:69-70, Jul 64

## SMALLPOX VACCINE

- Eczema vaccinatum. Copeman PW, et al.  
*Brit Med J* 5414:906-8, 10 Oct 64
- Vaccination and eczema. *Brit Med J* 5414:893-4, 10 Oct 64
- Immunizations. Some practical considerations. Wolman IJ. *Clin Pediat (Phila)* 3:383-4, Jul 64

## SMOKING

- Air pollution and disease. Ferris BG Jr, et al.  
*Anesthesiology* 25:470-8, Jul-Aug 64
- The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Boyland E, et al.  
*Brit J Cancer* 18:265-70, Jun 64
- A study of methylphenidate and diazepam as possible smoking deterrents. Whitehead RW, et al.  
*Curr Ther Res* 6:363-7, May 64
- Some problems of lung cancer. Lombard HL.  
*Lancet* 2:691, 20 Sep 64
- Public persuasion in health matters with particular reference to smoking.  
*Proc Roy Soc Med* 57:449-58, Jun 64
- Carcinogens in cigarette smoke. Robertson LS.  
*S Afr Med J* 38:617, 15 Aug 64

## SNAILS

- Toxicity of copper compounds to the snail vector hosts of the agent of Schistosome dermatitis, in waters of differing hardness. Howard TE, et al.  
*Amer J Hyg* 80:33-44, Jul 64
- Australorbis tenagophilus* in Peru, and its



susceptibility to *Schistosoma mansoni*. Paraense WL, et al. *Amer J Trop Med* 13:534-40, Jul 64

## SOCIAL CONDITIONS

Notes on ecologic malnutrition in the New Guinea Highlands. Jelliffe DB, et al. *Clin Pediatr (Phila)* 3:432-8, Jul 64  
Old age in Western society. I. Bower HM. *Med J Aust* 2:285-92 contd, 22 Aug 64

## SOCIAL MEDICINE

On the distinction between individual and social medicine. Terris M. *Lancet* 2:653-5, 20 Sep 64

## SOCIAL SERVICE

Survey of mental health problems in social agency caseloads. Bemmels VG. *Amer J Psychiat* 121:136-47, Aug 64  
[The responsibility of the physician for rehabilitation of handicapped patients] Lindemann K. *Deutsch Med Wschr* 89:1934-8, 9 Oct 64 (Ger)

## SOCIAL SERVICE, PSYCHIATRIC

Survey of mental health problems in social agency caseloads. Bemmels VG. *Amer J Psychiat* 121:136-47, Aug 64

## SOCIETIES, MEDICAL

Commemorating the AOS centenary. *Arch Ophthalmol* (Chicago) 72:295-6, Sep 64  
Physician-hospital relations. *JAMA* 190:74-9, 5 Oct 64  
Ethics in clinical research. *Med J Aust* 2:309-10, 22 Aug 64  
The first Australian medical libraries. Gandevis B, et al. *Med J Aust* 2:314-20, 22 Aug 64  
Declaration of Helsinki. *Med J Aust* 2:320-1, 22 Aug 64  
Epilepsy in South Africa—an urgent problem. *S Afr Med J* 38:597-8, 15 Aug 64  
Carcinogens in cigarette smoke. Robertson LS. *S Afr Med J* 38:617, 15 Aug 64  
A gynaecologist looks back. Impey RL. *S Afr Med J* 38:708-9, 29 Aug 64  
[The origins of the Académie de Médecine] Ganière P. *Presse Med* 72:2303-6, 23 Sep 64 (Fr)

## SOCIOLOGY

The training of the physician. Adaptation of medical education to regional needs. Brock JF. *New Eng J Med* 271:989-93, 5 Nov 64

## SOCIOPATHIC PERSONALITY

To-day's drugs. Drugs of addiction. 1. *Brit Med J* 5416:1055-7, 24 Oct 64  
Klinefelter's syndrome and behaviour. Pritchard M. *Lancet* 2:762-3, 3 Oct 64

## SODIUM

Diuretic therapy. II. Pharmacology of mercurial diuretics. DeGraff AC, et al. *Amer Heart J* 68:131-3, Jul 64  
Electrolyte and nitrogen changes in skeletal muscle of developing rats. Vernadakis A, et al. *Amer J Physiol* 206:1365-8, Jun 64  
Effect of sodium lactate on urate clearance in the Dalmatian and in the mongrel. Reem GH, et al. *Amer J Physiol* 207:113-7, Jul 64  
Effect of aldosterone and cortisol on sodium and water content of the rat kidney. Kessler E, et al. *Amer J Physiol* 207:109-12, Jul 64  
Control of aldosterone secretion by change of body potassium in normal man. Gann DB, et al. *Amer J Physiol* 207:104-8, Jul 64  
Effects of cyanide, Qo, and dinitrophenol on renal sodium reabsorption and oxygen consumption. Fujimoto M, et al. *Amer J Physiol* 206:1327-32, Jun 64  
Na transport by isolated turtle bladder during anaerobiosis and exposure to KCN. Klahr S, et al. *Amer J Physiol* 206:1333-9, Jun 64  
Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al. *Amer J Physiol* 207:71-6, Jul 64  
Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. Elsalto A, et al. *Ann Chir Gynaec Fenn* 53:389-93, 1964  
Effect of ouabain on active transport of sodium in the cornea. Lambert B, et al. *Arch Ophthalmol* (Chicago) 72:525-8, Oct 64  
The action of aldosterone and ouabain on the sodium and potassium content of the cortex and papilla of rat kidney in vitro. Platts MM. *Clin Sci* 26:405-14, Jun 64  
d-Aldosterone and sweat electrolytes. McConahay TP, et al. *J Appl Physiol* 19:575-9, Jul 64  
Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. *J Clin Endocr* 24:517-27, Jun 64

Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. Urquhart J, et al. *J Clin Invest* 43:1355-68, Jul 64  
Changes of blood elements and the circulatory system in climbing. II. Sumiyoshi K, et al. *Jap Circ J* 28:681-8, Sep 64  
Changes of blood elements and the circulatory system in climbing. I. Sumiyoshi K, et al. *Jap Circ J* 28:669-75, Sep 64  
Effects of angiotensin on the toad skin. Barbour BH, et al. *Proc Soc Exp Biol Med* 116:806-8, Jul 64  
Effect of Na<sup>+</sup> and K<sup>+</sup> on the adenylate kinase of human erythrocytes. Askari A, et al. *Proc Soc Exp Biol Med* 116:751-3, Jul 64  
Follicular fluid electrolytes in ovulation. Rondell PA. *Proc Soc Exp Biol Med* 116:336-9, Jun 64  
The sodium and potassium contents of South African foodstuffs, with special reference to low-sodium diets and potassium supplementation. Bernstein RE. *S Afr Med J* 38:673-6, 22 Aug 64  
Metabolic studies in toxemia of pregnancy. Goodrich SM, et al. *Surg Forum* 15:378-9, 1964

## SODIUM CHLORIDE

Salt taste thresholds and cystic fibrosis. Wotman S, et al. *Amer J Dis Child* 108:372-4, Oct 64  
Insulin and epinephrine effects on platelet histamine release in a plasma-free system. Tidball ME. *Amer J Physiol* 207:177-80, Jul 64  
Failure to demonstrate vasopressor material in salt hypertensive rats. Koletsky S, et al. *Amer J Physiol* 207:182-4, Jul 64  
Cadmium hypertension in rats. Schroeder HA. *Amer J Physiol* 207:62-6, Jul 64  
Salt hunger unaffected by cadmium in rats allowed saline solution by choice. Schroeder HA. *Amer J Physiol* 207:67-70, Jul 64  
A micropuncture study of the renal concentrating defect of potassium depletion. Bank N, et al. *Amer J Physiol* 206:1347-54, Jun 64  
Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. Dahl LK, et al. *Circulation* 30:Suppl 2:11-22, Aug 64  
Blood volume changes in patients with burns treated with either colloid or saline solutions. Davies JW. *Clin Sci* 26:429-43, Jun 64  
Effect of thyroxine on intake and loss of sodium by propylthiouracil-treated rats. Fregly MJ, et al. *Endocrinology* 75:27-32, Jul 64  
Sodium and seizures. Glaser GH. *Epilepsia (Amst)* 5:97-111, Jun 64  
Tolerance of *Staphylococcus aureus* to sodium chloride. Parfentjev IA, et al. *J Bact* 88:1-3, Jul 64  
Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64  
Influence of the physical state of the bacterial cell membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64  
Tolerance of *Staphylococcus aureus* to sodium chloride. Parfentjev IA, et al. *J Bact* 88:1-3, Jul 64  
Factors which modify the effect of sodium and potassium on bacterial cell membranes. Henneman DH, et al. *J Bact* 87:1266-73, Jun 64  
The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. Dzawachiszwill N, et al. *J Invest Derm* 43:103-9, Aug 64  
Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. Simpson CF, et al. *Proc Soc Exp Biol Med* 116:334-6, Jun 64  
Observations on the effects of the addition of different levels of sodium chloride to a protein-depletion diet. Thatcher GN, et al. *S Afr Med J* 38:682-4, 22 Aug 64

## SODIUM HYDROXIDE

Experimental caustic burns of the esophagus. Bachman K, et al. *Surg Forum* 15:307-8, 1964

## SODIUM ISOTOPES

A theory for the quantification of transcapillary exchange by tracer-dilution curves. Martin P, et al. *Amer J Physiol* 207:162-8, Jul 64  
Studies on the rate of disappearance of Na-24 from the ventricular cavities in obstructive hydrocephalus. Migliore A, et al. *J Neurosurg* 21:521-3, Jul 64

## SOIL

Pesticides as contaminants. West I. *Arch Environ Health* (Chicago) 9:626-33, Nov 64  
The effect of soil fertilization practices on the total protein and zein content of maize. Quicke GV, et al. *S Afr Med J* 38:645-8, 22 Aug 64

## SOIL MICROBIOLOGY

Infection of white swiss mice with airborne

*Cryptococcus neoformans*. Smith CD, et al. *J Bact* 87:1364-8, Jun 64  
Heat-resistant clostridium welchii in Ceylon soils. Wijewanta EA. *J Path Bact* 88:339-42, Jul 64

## SOLUTIONS

Irrigation of open vestibule in stapes surgery. A clinical and experimental study. Kerth JD, et al. *Arch Otolaryng* (Chicago) 80:392-7, Oct 64  
Fluorescence of solutions: a review. Williams RT, et al. *J Clin Path* 17:371-94, Jul 64

## SOLVENTS

The phosphorylation reaction that accompanies the nonenzymic oxidation of 2-methyl-1,4-naphthohydroquinone diphosphate. Tomasi GE, et al. *J Biol Chem* 239:1604-13, May 64

## SOMATOTROPIN

Hormonal effects on metabolism and distribution of plasma albumin in the dog. Takeda Y. *Amer J Physiol* 206:1229-36, Jun 64  
Hormonal effects on distribution and excretion of iodide-I-131 in the dog. Takeda Y. *Amer J Physiol* 206:1237-43, Jun 64  
Differential responsiveness to hormones of CSH and A mouse mammary tissues in organ culture. Rivera EM. *Endocrinology* 74:853-64, Jun 64  
Separation of the effects of growth hormone on muscle amino acid transport and protein synthesis. Kostyo JL. *Endocrinology* 75:113-9, Jul 64  
Purification of bovine growth hormone. Dellacha JM, et al. *J Biol Chem* 239:1515-20, May 64  
Survival of endogenous human growth hormone in plasma. Glick SM, et al. *J Clin Endocr* 24:501-5, Jun 64  
The growth-hormone-dependent sulphation factor in serum of untreated diabetics. Yde H. *Lancet* 2:625-6, 19 Sep 64  
Protein bound human growth hormone. Collipp PJ, et al. *Metabolism* 13:532-8, Jun 64  
The response of plasma human growth hormone to insulin and ethanol-induced hypoglycemia in two patients with "isolated adrenocorticotrophic defect". Arky RA, et al. *Metabolism* 13:547-50, Jun 64  
Studies on vitamin D-resistant rickets; effects of human growth hormone. Gersherberg H, et al. *Metabolism* 13:636-49, Jul 64  
Treatment of short stature in children and adolescents with human pituitary growth hormone (Raben). Soyka LF, et al. *New Eng J Med* 271:754-64, 8 Oct 64  
Mammary tumor induction by estrogen or anterior pituitary hormones in ovariectomized rats given 7, 12-dimethyl-1,2-benzanthracene. Talwalker PK, et al. *Proc Soc Exp Biol Med* 116:531-4, Jun 64  
Effects of growth hormone on glucose-U-C14 metabolism in dog. Wagle SR, et al. *Proc Soc Exp Biol Med* 116:793-4, Jul 64  
[How to treat growth retardation] Royer P, et al. *Presse Med* 72:2161-4, 12 Sep 64 (Fr)

## SOMATOTYPES

Ernst Kretschmer; (1888-1964). (Kretschmer E), et al. *Amer J Psychiat* 121:206-8, Aug 64

## SORBACOL

Response to mannitol under conditions simulating irrigant infusion during transurethral resection. Jones WR, et al. *Surg Forum* 15:483-5, 1964

## SOY BEANS

Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. Carew LB Jr, et al. *J Nutr* 83:300-6, Aug 64  
Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64

## SPACE FLIGHT

The vestibular Coriolis reaction. Fernandez C, et al. *Arch Otolaryng* (Chicago) 80:469-72, Oct 64  
Bioastronautics. Man in the space environment. Wagner BM. *Arch Path* (Chicago) 78:454-7, Oct 64  
Space flight problems—mechanical, medical, and moral. Ball LW, et al. *JAMA* 189:1013-5, 28 Sep 64

## SPACE PERCEPTION

Falling apart: the verbalization of ego failure. Palombo SR, et al. *Psychiatry* 27:248-58, Aug 64

## SPARTEINE

The obstetrician bids, and the uterus contracts. Molr JC. *Brit Med J* 5416:1025-9, 24 Oct 64  
A comparison of the responses to l-sparteine and oxytocin in isolated human uterine muscles.



Rosenblum I, et al.  
*J Pharmacol Exp Ther* 144:138-41, Apr 64

## SPASM

Operation for blepharospasm. Scassellati Sforzolini G.  
*Brit J Ophthalmol* 48:165-8, Mar 64  
 The nature and management of spasticity. The pathophysiology of spasticity. Rushworth G.  
*Proc Roy Soc Med* 57:715-20, Aug 64  
 The peripheral surgery of spasticity. Sharrard WJ.  
*Proc Roy Soc Med* 57:724-5, Aug 64

## SPASMOPHILIA

EEG study of tetany and spasmophilia. Roth B, et al.  
*Electroenceph Clin Neurophysiol* 17:36-45, Jul 64

## SPECIALISM

Training of plastic surgeons. Rank BK.  
*Brit J Plast Surg* 17:217-21, Jul 64  
 Specialty of chest medicine. Heaf F.  
*Brit Med J* 5418:1196, 7 Nov 64  
 The specialty of chest medicine. Oswald NC.  
*Brit Med J* 5414:935-9, 10 Oct 64

## SPECIMEN HANDLING

New transport medium for shipment of clinical specimens. I. Fecal specimens. Cary SG, et al.  
*J Bact* 88:96-8, Jul 64  
 The cell-catch procedure. A new method which preserves all cellular elements of spinal-fluid samples. Simon G, et al. *J Neurosurg* 20:767-92, Sep 63

## SPECTROPHOTOMETRY

A method for determination of magnesium in serum and urine. Sky-Peck HH. *Clin Chem* 10:391-8, May 64

## SPEECH DISORDERS

Confusion and disturbance of speech from stimulation in vicinity of the head of the caudate nucleus. Van Buren JM. *J Neurosurg* 20:148-57, Feb 63  
 [The absence and delay of speech in children] Launay C. *Presse Med* 72:2337-8, 26 Sep 64 (Fr)  
 [Absence and delayed speech development. II.] Launay C. *Presse Med* 72:2395-6 contd, 3 Oct 64 (Fr)

## SPERMATIC CORD

Femoral transposition of the spermatic cord in the repair of inguinal hernia. Drury HD.  
*Aust New Zeal J Surg* 34:15-7, Aug 64  
 Paratesticular tumours of connective tissue and muscle. Gowing NF, et al.  
*Brit J Urol* 36:Suppl:78-84, Jun 64  
 Aneurysm of the spermatic artery. Bush IM, et al.  
*J Urol* 92:47-50, Jul 64

## SPERMATOZOA

Refrigerant preservation of human spermatozoa. I. Factors influencing recovery in euspermic semen: clinical applications. Fernandez-Cano L, et al.  
*Fertil Steril* 15:390-406, Jul-Aug 64  
 Adjuvants and aspermatogenesis in the guinea pig. Katsh S. *Int Arch Allerg* 24:319-31, 1964  
 Antigenic characteristics of spermatozoa from bulls, rams and boars. II. Sperm agglutinins in normal and immune sera. Matousek J.  
*J Reprod Fertil* 8:5-11, Aug 64  
 Distribution of spermatozoa in the oviduct and fertility in domestic birds. I. Residence sites of spermatozoa in fowl oviducts. Bobr LW, et al.  
*J Reprod Fertil* 8:39-47, Aug 64  
 Antigenic characteristics of spermatozoa from bulls, rams and boars. I. Erythrocytic antigens in bull spermatozoa. Matousek J.  
*J Reprod Fertil* 8:1-3, Aug 64  
 Distribution of spermatozoa in the oviduct and fertility in domestic birds. II. Transport of spermatozoa in the fowl oviduct. Bobr LW, et al.  
*J Reprod Fertil* 8:49-58, Aug 64  
 Effects of neonatal gamma irradiation on hormone production and spermatogenesis in testis of the adult pig. Erickson BH. *J Reprod Fertil* 8:91-100, Aug 64  
 Effects of potassium on ram spermatozoa during chilling to and storage at 5 degrees C. O'Shea T, et al.  
*J Reprod Fertil* 8:121-32, Aug 64  
 Antigenic characteristics of spermatozoa from bulls, rams and boars. 3. Absorption analysis, precipitins and fructolysis in relation to the antigenicity of bull spermatozoa. Matousek J.  
*J Reprod Fertil* 8:13-21, Aug 64

## SPERMINE

Effect of polyamine structure on growth stimulation and spermine and spermidine content of lactic acid bacteria. Guirard BM, et al. *J Bact* 88:72-80, Jul 64

## SPHENOID SINUS

Foreign body in the sphenoid sinus. Ferris KP.  
*J Laryng* 78:697-701, Jul 64

## SPINA BIFIDA

Myelomeningocele in one identical twin. Gross HP.  
*J Neurosurg* 20:439-40, May 63  
 [Late prognosis in children with surgically treated meningocele] Lagrange E, et al.  
*Deutsch Med Wschr* 89:1457-62, 31 Jul 64 (Ger)  
 [The Durand-Zunin syndrome. Report of a pertinent observation.] Simon C, et al.  
*Helv Paediat Acta* 19:78-86, Jun 64 (Ger)

## SPINAL CANAL

Comments on the use of intraspinal phenol-pantopaque for relief of pain and spasticity. Lourie H, et al.  
*J Neurosurg* 20:60-3, Jan 63

## SPINAL CORD

Acquired acanthocytosis and myelophthisis in a case of Eales's disease. Kahán A, et al.  
*Brit J Ophthalmol* 47:632-7, Oct 63  
 Transverse diameter of cervical spinal cord on Pantopaque myelography. Khilnani MT, et al.  
*J Neurosurg* 20:660-4, Aug 63  
 Clinical observations on respiratory and vasomotor disturbance as related to cervical cordotomies. Belmusto L, et al. *J Neurosurg* 20:225-32, Mar 63  
 Anterolateral cordotomy by an anterior approach: report of a case. Collis JS Jr.  
*J Neurosurg* 20:445-6, May 63  
 An experimental evaluation of the effects of subarachnoid injection of phenol-pantopaque in cats: a histological study. Stewart WA, et al.  
*J Neurosurg* 20:64-72, Jan 63  
 Neurosurgical classic. X. Wilkins RH.  
*J Neurosurg* 20:721-7, Aug 63  
 Percutaneous interruption of spinal-pain tracts by means of a strontium-90 needle. Mullan S, et al.  
*J Neurosurg* 20:931-9, Nov 63  
 Centrifugal respiratory pathway in the spinal cord. Belmusto L, et al. *Surg Forum* 15:418-9, 1964

## SPINAL CORD COMPRESSION

Spinal cord compression due to vertebral angiomas during pregnancy. Nelson DA.  
*Arch Neurol (Chicago)* 11:408-13, Oct 64  
 Vertebral hemangioma with compression of the spinal cord. Reeves DL. *J Neurosurg* 21:710-2, Aug 64  
 Vertebral echinococcosis: report of case of surgical and biological therapy with review of the literature. Rayport M, et al. *J Neurosurg* 21:647-59, Aug 64  
 Prolapsed calcified thoracic intervertebral disc. Taylor TK, et al. *J Path Bact* 88:153-7, Jul 64  
 Thoracic spine fracture with paralysis. Aufranc OE, et al. *JAMA* 189:1018-21, 28 Sep 64  
 Case records of the Massachusetts General Hospital. Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64  
 Diagnostic criteria for distinguishing cervical disk herniation from spondylosis in the neural compression syndrome. McGinnis KD, et al.  
*Radiology* 83:67-73, Jul 64

## SPINAL CORD INJURIES

Paraplegia from compression caused by sacular aortic aneurysm with recovery. Davie JC.  
*J Neurosurg* 20:1005-8, Nov 63  
 Prevention of spinal cord ischemia incident to extensive mobilization of the thoracic aorta from the posterior parietes. Edwards RH, et al.  
*Surg Forum* 15:285-7, 1964

## SPINAL CORD NEOPLASMS

The role of radiotherapy in the treatment of tumours in children. Pearson D. *J Clin Path* 17:423-6, Jul 64  
 Intramedullary tumors of spinal cord. A follow-up study after total surgical removal. Greenwood J Jr.  
*J Neurosurg* 20:665-8, Aug 63  
 Spinal epidural meningioma: case report. Haft H, et al.  
*J Neurosurg* 20:801-4, Sep 63  
 Neurosurgical classic. XI. Wilkins RH.  
*J Neurosurg* 20:814-24, Sep 63  
 Intraspinal epidermoids: report of two cases. Higazi I.  
*J Neurosurg* 20:805-8, Sep 63  
 A mobile ependymoma of the filum terminale. Wortzman G, et al. *J Neurosurg* 20:164-6, Feb 63  
 Punched-out erosion of lamina by spinal ependymoma: case report. Smith MC, et al.  
*J Neurosurg* 20:265-6, Mar 63  
 Meningiomas of the foramen magnum. Stein BM, et al.  
*J Neurosurg* 20:740-51, Sep 63

## SPINAL DISEASES

Horner's syndrome produced by hypertrophic spurs

from the cervical spine. Khurana KM, et al.  
*Brit J Ophthalmol* 48:227-9, Apr 64  
 Intraspinal enterogenous cyst. Scoville WB, et al.  
*J Neurosurg* 20:704-6, Aug 63  
 Vertebral echinococcosis: report of case of surgical and biological therapy with review of the literature. Rayport M, et al. *J Neurosurg* 21:647-59, Aug 64  
 Case records of the Massachusetts General Hospital. Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64  
 The lateral lumbar spine in Down's syndrome: a new roentgen feature. Rabinowitz JG, et al.  
*Radiology* 83:74-9, Jul 64  
 Diagnostic criteria for distinguishing cervical disk herniation from spondylosis in the neural compression syndrome. McGinnis KD, et al.  
*Radiology* 83:67-73, Jul 64  
 [Acute blockage of the spine in the cervical region and its relation to osteochondrosis] Giebel MG, et al.  
*Deutsch Med Wschr* 89:1832-8, 25 Sep 64 (Ger)

## SPINAL FUSION

Experiences with the Harrington instrumentation method in the treatment of idiopathic scoliosis. A preliminary report. Savastano AA, et al.  
*J Int Coll Surg* 42:421-8, Oct 64  
 Anterior cervical fusion; solution of a particular problem. Estridge MN, et al.  
*J Neurosurg* 20:441-4, May 63  
 Fusions of the lumbar spine: comparative results. Levy LJ, et al. *Southern Med J* 57:1326-32, Nov 64

## SPINAL INJURIES

Anterior cervical fusion; solution of a particular problem. Estridge MN, et al.  
*J Neurosurg* 20:441-4, May 63  
 Thoracic spine fracture with paralysis. Aufranc OE, et al. *JAMA* 189:1018-21, 28 Sep 64  
 Case records of the Massachusetts General Hospital. Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64

## SPINAL NEOPLASMS

Spinal cord compression due to vertebral angiomas during pregnancy. Nelson DA.  
*Arch Neurol (Chicago)* 11:408-13, Oct 64  
 Carcinomatous metastasis to the vertebral bodies. Drury AB, et al. *J Clin Path* 17:448-57, Jul 64  
 Vertebral hemangioma with compression of the spinal cord. Reeves DL. *J Neurosurg* 21:710-2, Aug 64

## SPINAL NERVES

Some thoughts on pain localization. Klingon GH.  
*J Int Coll Surg* 42:396-403, Oct 64  
 Restoration of digital sensation after transference of nerves. Turnbull F. *J Neurosurg* 20:238-40, Mar 63  
 Electrophysiological study of regenerating peripheral nerve. Relationship of size of fibers and rate of growth. Jenkins DW, et al.  
*J Neurosurg* 20:344-7, Apr 63  
 Action of phenol on spinal nerve-roots.  
*Lancet* 2:896-7, 24 Oct 64

## SPINAL PUNCTURE

Memorandum on the first report of *Angiostrongylus* in man, by Nomura and Lin, 1945. Beaver PC, et al.  
*Amer J Trop Med* 13:589-90, Jul 64

## SPIROCHAETA

Use of a bacterial culture filtrate as an aid to the isolation and growth of anaerobic spirochetes. Hardy PH Jr, et al. *J Bact* 87:1521-5, Jun 64

## SPIRONOLACTONE

Spironolactone and plasma cortisol. Metcalf MG.  
*Brit Med J* 5418:1201, 7 Nov 64

## SPLEEN

Analysis of vascular responses in the spleen. Boatman DL, et al. *Amer J Physiol* 207:155-61, Jul 64  
 Differential effects of heat on splenic and renal vascular beds. Gillenwater JY, et al.  
*Amer J Physiol* 207:133-6, Jul 64  
 Mechanical events of in vivo rabbit and cat spleen. Farrell MJ, et al. *Amer J Physiol* 206:1275-8, Jun 64  
 Preservation of volatile anesthetics in blood and tissue. Lowe HJ. *Anesthesiology* 25:566-8, Jul-Aug 64  
 Lymphatic drainage of bone marrow. Fuller KM, et al. *Aust New Zeal J Surg* 34:11-4, Aug 64  
 Damage to the thymus and other lymphoid tissues from 3-methylcholanthrene, and subsequent thymoma production, in mice. Yasuhira K.  
*Cancer Res* 24:558-69, May 64  
 Tissue glycoproteins in rats bearing Walker 256 carcinoma. Macbeth PA, et al.  
*Cancer Res* 24:614-8, May 64  
 In vitro studies of cell types responsive to



- erythropoietin. Takaku F, et al. *Endocrinology* 74:968-72, Jun 64
- Corticosteroid action on the fetal thymus and spleen. Angervall L, et al. *Endocrinology* 74:986-9, Jun 64
- In vitro studies on the fate of antigen. 3. The in vitro fate of I-131-HSA in the presence of cells and cell extracts from normal, immune, and tolerant rabbits. Rhodes JM, et al. *Int Arch Allerg* 24:342-55, 1964
- Determination of organ volumes by scintillation scanning. Spencer RP. *J Nucl Med* 5:444-52, Jun 64
- The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. Burack WR, et al. *J Pharmacol Exp Ther* 144:66-75, Apr 64
- Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al. *New Eng J Med* 271:1021-7, 12 Nov 64
- Alpha- and beta-d galactosidase activity of rat thyroid and spleen. A quantitative study. Monis B, et al. *Proc Soc Exp Biol Med* 116:580-2, Jul 64
- Subcellular transplantation antigen derived from dog spleen cells cultivated in vitro. Mannick JA, et al. *Proc Soc Exp Biol Med* 116:445-8, Jun 64
- Spleen cytology during homograft rejection. Weldon CS. *Surg Forum* 15:152-4, 1964
- A simple method for the preparation of cell free transplantation antigens. Physical and biological properties. Monaco AP, et al. *Surg Forum* 15:133-5, 1964
- Quantitative measurement of transplantation immunity. Najarian JS, et al. *Surg Forum* 15:127-8, 1964

## SPLENECTOMY

- Antibody response in splenectomized monkeys. Saslaw S, et al. *Proc Soc Exp Biol Med* 116:738-42, Jul 64
- Splenectomy in immunosuppressive regimens in dog and man. Veith FJ, et al. *Surg Forum* 15:161-3, 1964

## SPLENOMEGALY

- Natural history and prognosis of splenomegaly in schistosomiasis mansoni. Kloetzel K. *Amer J Trop Med* 13:541-4, Jul 64
- [Diagnosis of splenomegaly in medical practice] Bousser J. *Presse Med* 72:2223-6, 19 Sep 64 (Fr)

## SPLENOPORTOGRAPHY

- [Splenoportography in liver diseases] Schmitt W, et al. *Deutsch Med Wochr* 89:1790-4, 18 Sep 64 (Ger)

## SPLINTS

- Dressings, splints and postoperative care in hand surgery. Moberg E. *Surg Clin N Amer* 44:941-9, Aug 64

## SPONDYLITIS

- Cervical myelopathy with fasciculations in the lower extremities. King RB, et al. *J Neurosurg* 20:948-52, Nov 63
- Spondylitis. Mason RM. *Proc Roy Soc Med* 57:533-40, Jun 64

## SPONDYLITIS, ANKYLOSING

- Spondylitis. Mason RM. *Proc Roy Soc Med* 57:533-40, Jun 64
- Chronic duodenal ulcer with ankylosing spondylitis. Ellis H. *Proc Roy Soc Med* 57:874-5, Aug 64
- [Pseudo-rheumatoid form of ankylosing spondylarthritis?] Coste F, et al. *Presse Med* 72:2295-8, 23 Sep 64 (Fr)
- [Acute blockage of the spine in the cervical region and its relation to osteochondrosis] Giebel MG, et al. *Deutsch Med Wochr* 89:1832-8, 25 Sep 64 (Ger)

## SPONDYLOLISTHESIS

- Fusions of the lumbar spine: comparative results. Levy LJ, et al. *Southern Med J* 57:1326-32, Nov 64

## SPORT MEDICINE

- Electrocardiograms of marathon runners in 1962 Commonwealth games. Smith WG, et al. *Brit Heart J* 28:469-76, Jul 64
- The Olympic Games. *Brit Med J* 5413:833-4, 3 Oct 64

## SPORTS

- The Olympic Games. *Brit Med J* 5413:833-4, 3 Oct 64

## SPRAINS AND STRAINS

- Diagnosis and treatment of injury of lateral ligament of the ankle joint. Caro D, et al. *Lancet* 2:720-3, 3 Oct 64

## SPRUE

- Bacterial changes in the small intestine in malabsorptive states and in pernicious anaemia. Dellipiani AW, et al. *Clin Sci* 26:359-74, Jun 64
- Incubation hemolysis and red cell metabolism in acanthocytosis. Simon ER, et al. *J Clin Invest* 43:1311-21, Jul 64
- Colonic absorption of tryptophan metabolites in man. Fordtran JS, et al. *J Lab Clin Med* 64:125-32, Jul 64
- Chronic diarrhoea and the pancreas. Hillman HS. *Med J Aust* 2:296-8, 22 Aug 64
- Secondary disaccharidase deficiency in adult celiac disease (nontropical sprue) and other malabsorption states. Plotkin GR, et al. *New Eng J Med* 271:1033-7, 12 Nov 64
- Significance of antibodies to dietary proteins in the sera of patients with nontropical sprue. Kivell RM, et al. *New Eng J Med* 271:769-72, 8 Oct 64

## SPRUE, TROPICAL

- Milk intolerance in tropical malabsorption syndrome. Role of lactose malabsorption. Jeejeebhoy KN, et al. *Lancet* 2:666-8, 20 Sep 64

## SPUTUM

- Mucoproteins and sputum viscosity. Burgl H. *Lancet* 2:644, 19 Sep 64

## SQUALENE

- Squalene in human and rat blood plasma. Goodman DS. *J Clin Invest* 43:1480-5, Jul 64

## STAINS AND STAINING

- Permanent plastic mounts of nervous tissue after differential gross staining. Waters ES. *Amer J Clin Path* 42:114-7, Jul 64
- Staining patterns of phosphatases of the central nervous system with azo-dye methods. Kaluza JS, et al. *J Neuropath Exp Neurol* 23:477-85, Jul 64
- Staining of sensory and motor nerves in muscles with sudan black B. Cavanagh JB, et al. *J Path Bact* 88:89-92, Jul 64

## STAPES SURGERY

- Untoward sequelae eleven months following stapedectomy. Wolff D. *Ann Otol* 73:297-304, Jun 64
- Irrigation of open vestibule in stapes surgery. A clinical and experimental study. Kerth JD, et al. *Arch Otolaryng (Chicago)* 80:392-7, Oct 64
- A new stapedectomy prosthesis. Schuknecht HF. *Arch Otolaryng (Chicago)* 80:474, Oct 64
- Alternation of hearing after tympanoplasty and stapedectomy. The phenomenon of tension. Belckert P. *Arch Otolaryng (Chicago)* 80:383-7, Oct 64
- Prosthetic devices in the middle ear of cats. Reddy JB, et al. *J Laryng* 78:875-83, Jul 64

## STAPHYLOCOCCAL INFECTIONS

- Staphylococcal wound infection complicating orthopaedic operations. Räf L. *Acta Orthop Scand* 34:289-98, 1964
- Bacterial endophthalmitis after cataract extraction. A study of 22 infections in 20,000 operations. Allen HF, et al. *Arch Ophthal (Chicago)* 72:454-62, Oct 64
- Bacterial infections in the heart. An experimental study on the influence of silk and synthetic sutures. Niguidula FN, et al. *Arch Surg (Chicago)* 89:669-76, Oct 64
- Mycotic corneal ulcers. Agarwal LP, et al. *Brit J Ophthal* 47:109-15, Feb 63
- Unusual complication of a chalazion. Chadwick AJ. *Brit J Ophthal* 47:364, Jun 63
- Dacryocystitis in acute leukaemia. Cant JS. *Brit J Ophthal* 47:57-9, Jan 63
- New penicilline. Hale LJ, et al. *Brit Med J* 5414:940, 10 Oct 64
- New penicilline. Warren GH. *Brit Med J* 5414:940-1, 10 Oct 64
- The care of the umbilical stump in relation to cross infection in maternity units. Henderson RJ, et al. *J Obstet Gynaec Brit Comm* 71:443-8, Jun 64
- Methicillin spray and staphylococcal carriage in a neonatal unit. Jacobs J, et al. *J Obstet Gynaec Brit Comm* 71:543-55, Aug 64
- An evaluation of cephalosporin derivatives in vitro and in experimental infections. Frost BM, et al. *J Path Bact* 88:125-36, Jul 64
- Resistance to infection with *Staphylococcus aureus*. *JAMA* 190:391, 26 Oct 64
- Case records of the Massachusetts General Hospital. Case 54-1964. *New Eng J Med* 271:1107-14, 5 Nov 64
- Staphylococcal pneumonia. Jewett JF. *New Eng J Med* 271:848-9, 15 Oct 64
- Susceptibility of vascular sutures to infection in experimental bacteremia. Gonzalez LL, et al. *Surg Forum* 15:68-9, 1964

- Wound infections: inoculum versus medium. Zimmerman JM, et al. *Surg Forum* 15:62-4, 1964
- Tumor growth in germfree and monocontaminated animals. DiVincenti FC, et al. *Surg Forum* 15:350-2, 1964
- Relationship of skin carriage to postoperative staphylococcal wound infection. Cole WR, et al. *Surg Forum* 15:52-4, 1964
- [Staphylococci in the newborn nursery] Klenitz M, et al. *Deutsch Med Wochr* 89:1744-51, 11 Sep 64 (Ger)

## STAPHYLOCOCCAL INFECTIONS, GASTROINTESTINAL

- Subphrenic abscess: a thoracoabdominal clinical complex: the changing picture with antibiotics. Carter R, et al. *Amer J Surg* 108:165-74, Aug 64

## STAPHYLOCOCCAL PHAGES

- Nutritional mutations and transduction by ultraviolet-inactivated phage in *Staphylococcus aureus*. Carere A, et al. *J Bact* 88:226-32, Jul 64
- [Staphylococci in the newborn nursery] Klenitz M, et al. *Deutsch Med Wochr* 89:1744-51, 11 Sep 64 (Ger)

## STAPHYLOCOCCUS

- Tolerance of *Staphylococcus aureus* to sodium chloride. Parfentjev IA, et al. *J Bact* 88:1-3, Jul 64
- Nutritional mutations and transduction by ultraviolet-inactivated phage in *Staphylococcus aureus*. Carere A, et al. *J Bact* 88:226-32, Jul 64
- Elimination of penicillin resistance of *Staphylococcus aureus* by treatment with acriflavine. Hashimoto H, et al. *J Bact* 88:261-2, Jul 64
- Nutritional mutations and transduction by ultraviolet-inactivated phage in *Staphylococcus aureus*. Carere A, et al. *J Bact* 88:226-32, Jul 64
- Elimination of penicillin resistance of *Staphylococcus aureus* by treatment with acriflavine. Hashimoto H, et al. *J Bact* 88:261-2, Jul 64
- Tolerance of *Staphylococcus aureus* to sodium chloride. Parfentjev IA, et al. *J Bact* 88:1-3, Jul 64
- Separation of telcholic acid of *Staphylococcus aureus* into two immunologically distinct specific polysaccharides with alpha- and beta-N-acetylglucosaminyl linkages respectively. Antigenicity of telcholic acids in man. Torii M, et al. *J Exp Med* 120:13-29, 1 Jul 64
- The phagocytic activity of polymorphonuclear leukocytes obtained from patients with diabetes mellitus. Bybee JD, et al. *J Lab Clin Med* 64:1-13, Jul 64
- Electron-microscope observations on the phagocytosis of neutrophil polymorphonuclear leukocytes by macrophages. Brewer DB. *J Path Bact* 88:307-9, Jul 64
- An evaluation of cephalosporin derivatives in vitro and in experimental infections. Frost BM, et al. *J Path Bact* 88:125-36, Jul 64
- The nasal flora of Auyana people in the Eastern highlands of New Guinea. Rountree PM, et al. *Med J Aust* 2:336-7, 29 Aug 64
- Production of a polysaccharide by *Staphylococcus aureus*. 3. Action of penicillins and polysaccharides on enzymic lysis. Warren GH, et al. *Proc Soc Exp Biol Med* 116:317-23, Jun 64
- Genetic recombination by transduction between mannitol-negative mutants of *Staphylococcus aureus*. Murphey WH, et al. *Proc Soc Exp Biol Med* 116:544-8, Jun 64

## STARCH

- The influence of levels of protein and starch in rations of sheep on the utilization of protein. Tagari H, et al. *Brit J Nutr* 18:333-58, 1964

## STARVATION

- The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. Welmer HE, et al. *Cancer Res* 24:847-54, Jun 64
- Valve of fluid and electrolyte supplements in subarctic survival situations. Rogers TA, et al. *J Appl Physiol* 19:580-2, Jul 64
- Effect of dietary protein level and cholesterol supplementation prior to acute starvation on serum and liver lipids in the rat. Méndez J. *Metabolism* 13:669-74, Jul 64

## STATE MEDICINE

- Practice expenses. *Brit Med J* 5417:1140-1, 31 Oct 64
- Practice expenses. *Brit Med J* 5415:1012-3, 17 Oct 64
- Charges for patients. Tomlins FG. *Brit Med J* 5413:880-1, 3 Oct 64
- Practice expenses. *Brit Med J* 5413:879-80, 3 Oct 64
- Practice expenses. *Brit Med J* 5417:1140-1, 31 Oct 64
- Practice expenses. *Brit Med J* 5414:946-8, 10 Oct 64
- Practice expenses. *Brit Med J* 5414:945-8, 10 Oct 64
- Report of the Special Committee to Adapt the Australian Plan of Medical Services to Canadian Conditions. *Canad Med Ass J* 90:Suppl:36-44, 19 Sep 64



Report of the Special Committee on Prepaid Medical Care. *Canad Med Ass J* 90:Suppl:45-55, 19 Sep 64  
The Belgian medical crisis. Peabody CN. *JAMA* 190:285, 28 Oct 64  
Incentives and remuneration. Jacob A. *Lancet* 2:748-51, 3 Oct 64  
Exploration of independence. *Lancet* 2:827-8, 19 Sep 64  
Expenditure on N.H.S. practice premises. The Minister's letter. Barber A. *Lancet* 2:686-7, 20 Sep 64  
Hewers of wood and drawers of water. Peters LL. *Lancet* 2:634-7, 19 Sep 64  
Too much work? Proposals based on a review of fifteen years' work in practice. Fry J, et al. *Lancet* 2:632-4, 19 Sep 64  
[Statement on medical care with conclusions and recommendations prepared by the Special Committee on Policy of the Canadian Medical Association]  
*Canad Med Ass J* 90:Suppl:17-33, 19 Sep 64 (Fr)

## STATISTICS

A statistical study of 12,000 new amputees. Glattly HW. *Southern Med J* 57:1373-8, Nov 64

## STEARIC ACID

In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
The formation of cholesterol esters with rat liver enzymes. Goodman DS, et al. *J Biol Chem* 239:1335-45, May 64

## STEIN-LEVENTHAL SYNDROME

The urinary excretion of pregnanediol and pregnanetriol in the polycystic ovary (Stein-Leventhal) syndrome. Lanthier A, et al. *Acta Endocr (Copenhagen)* 46:245-55, Jun 64  
Chromosome mosaicism in Stein-Leventhal syndrome. Bishun NP, et al. *Brit Med J* 5418:1200, 7 Nov 64  
Studies on testosterone metabolism. II. Metabolism of testosterone-4-14C and androst-4-ene-3, 17-dione-1,2-3H. Baulieu EE, et al. *J Biol Chem* 239:1578-84, May 64  
Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. Prunty FT, et al. *Proc Roy Soc Med* 57:529-32, Jun 64

## STELLATE GANGLION

Effects of left stellate ganglion stimulation on left ventricular synchrony in dogs. Osadjan CE, et al. *Amer J Physiol* 207:181-6, Jul 64  
Quinine amblyopia treated by stellate ganglion block. McLennan J. *Brit J Ophthalmol* 47:62-3, Jan 63  
Cervical sympathetic block in treatment of Bell's palsy. A controlled trial. Fearnley ME, et al. *Lancet* 2:725-7, 3 Oct 64

## STEREOTAXIC TECHNIQS

Ventrolateral and subventrolateral thalamic stimulation. Motor effects. Ohye C, et al. *Arch Neurol (Chicago)* 11:427-34, Oct 64  
Physiological identification of the thalamic nucleus. Yoshida M, et al. *Arch Neurol (Chicago)* 11:435-43, Oct 64  
Stimulation of Forel's field during stereotaxic operations in the human brain. Spiegel EA, et al. *Electroenceph Clin Neurophysiol* 18:537-48, Jun 64  
Campotomy in various extrapyramidal disorders. Spiegel EA, et al. *J Neurosurg* 20:871-84, Oct 63  
Subthalamotomy in treatment of parkinsonian tremor. Andy OJ, et al. *J Neurosurg* 20:860-70, Oct 63

## STERILITY, FEMALE

Myomectomy for improvement of fertility. Stevenson CS. *Fertil Steril* 15:367-84, Jul-Aug 64  
Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. Croke AC, et al. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64  
Pituitary gonadotrophin and dizygotic twinning. Croke AC. *Lancet* 2:695-6, 20 Sep 64  
Utero-tubal implantation. Peel J. *Proc Roy Soc Med* 57:710-4, Aug 64

## STERILITY, MALE

Fertility after chemotherapy in male patients with genital tuberculosis. Obrant KO, et al. *Fertil Steril* 15:440-9, Jul-Aug 64  
Massive hernias associated with ectopic testes. Cole FR. *J Int Coll Surg* 42:355-7, Oct 64

## STERILIZATION

The properties of catgut sutures sterilized by heat,

ethylene oxide and electron beams. Thoennes LA. *J Int Coll Surg* 42:382-6, Oct 64

## STERNOCLAVICULAR JOINT

Problems in diagnosing osteoarticular tuberculosis. Hunt DD. *JAMA* 190:95-8, 12 Oct 64

## STERNUM

Xiphopagus conjoined twins: preoperative evaluation and surgical management. Woolley MM, et al. *Amer J Surg* 108:277-84, Aug 64  
Bone formation in abdominal scars after xiphoidectomy. Watkins GL. *Arch Surg (Chicago)* 89:731-4, Oct 64

## STEROIDS

Seroflocculating steroids. XI. Interim summary. Chang FC. *Clin Chem* 10:490-6, Jun 64  
Steroid biosynthesis in the fetal ovary. Roberts JD, et al. *Endocrinology* 74:846-52, Jun 64  
Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. Mattox VR, et al. *J Clin Endocr* 24:517-27, Jun 64  
Anti-leukaemic drugs. Innes J. *Practitioner* 193:101-6, Jul 64  
Effects of 1,3,5, (10), 16 estratetraen-3-ol on mammalian L-fibroblasts in vitro. Bourne EW, et al. *Proc Soc Exp Biol Med* 116:762-8, Jul 64

## STEROLS

The fatty acid composition of the sterol-wax ester and mono- and diglyceride fractions of mouse epidermis undergoing normal and abnormal growth changes. Carruthers C, et al. *Cancer Res* 24:1008-11, Jul 64  
The intermediary role of delta-5,7-cholestadien-3-beta-ol in cholesterol biosynthesis. Dempsey ME, et al. *J Biol Chem* 239:1361-7, May 64  
Effect of 22,25-diazacholesterol on synthesis of cholesterol by rat liver homogenates. Dvornik D, et al. *Proc Soc Exp Biol Med* 116:537-9, Jun 64

## STEVENS-JOHNSON SYNDROME

Long-acting sulphonamides associated with Stevens-Johnson syndrome. Craddock D. *Lancet* 2:864, 17 Oct 64

## STOMACH

Experience with local gastric cooling. Cushman WF, et al. *Arch Surg (Chicago)* 89:719-24, Oct 64  
Local hypothermia for hematemesis in a hemophiliac. Liffmann KE, et al. *JAMA* 190:553-4, 9 Nov 64  
Gastric freezing. *Lancet* 2:679-80, 20 Sep 64  
Influence of gastric pressure on effects of gastric freezing. Root HD, et al. *Surg Forum* 15:330-2, 1964  
Gastric freezing by alcohol perfusion. Sulman D, et al. *Surg Forum* 15:325-7, 1964  
Influence of gastric freezing on antral function. Niederhuber JE, et al. *Surg Forum* 15:323-5, 1964  
Gastroduodenal congestion and histamine provoked ulcers. Gliedman ML, et al. *Surg Forum* 15:314-5, 1964  
Antral and pancreatic stimulation of gastric hypersecretion. Westerheide RL, et al. *Surg Forum* 15:369-71, 1964  
Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. Wilson SD, et al. *Surg Forum* 15:365-7, 1964

## STOMACH DILATATION

Unusual explosion during electrosurgery. Carroll KJ. *Brit Med J* 5418:1178, 7 Nov 64

## STOMACH NEOPLASMS

Pre-operative irradiation in the treatment of patients with carcinoma of the oesophagus and of some other sites. Nakayama K. *Clin Radiol* 15:232-41, Jul 64  
Studies and clinical observations of infusion of anti-cancerous agents into lymph vessel system. Kitagawa S, et al. *J Int Coll Surg* 42:358-9, Oct 64  
Ganglioneuroblastoma of the stomach. Tapp E. *J Path Bact* 88:79-82, Jul 64  
Gastric teratoma in an adult: With a review of the literature. Gray SW, et al. *Southern Med J* 57:1346-51, Nov 64

## STOMACH RUPTURE

Surgical management of massive gastrointestinal hemorrhage from cardioesophageal lacerations. Grimes OF. *Amer J Surg* 108:285-96, Aug 64

## STOMACH ULCER

Surgical consideration in the management of ulcerogenic tumors of the pancreas and duodenum.

Oberhelman HA Jr, et al. *Amer J Surg* 108:132-41, Aug 64  
Experience with local gastric cooling. Cushman WF, et al. *Arch Surg (Chicago)* 89:719-24, Oct 64

## STRABISMUS

The intraoperative forced duction test. Report of a case of congenital fibrous bands. Goldstein JH. *Arch Ophthalmol (Chicago)* 72:647-9, Nov 64  
Visual acuity thresholds in amblyopes. Saiduzzafar H, et al. *Brit J Ophthalmol* 47:153-63, Mar 63  
Stimulation of normal binocular vision while treating strabismus by the localization method. Starkiewicz W, et al. *Brit J Ophthalmol* 47:728-35, Dec 63  
Vector-electro-oculography and its clinical application. Two-dimensional recording of eye movements. Uenoyama K, et al. *Brit J Ophthalmol* 48:318-29, Jun 64  
Pulse monitor in ocular surgery. Brown KR, et al. *Brit J Ophthalmol* 47:184-5, Mar 63  
Refraction anomalies in Tanganyikan children. Johnstone WW, et al. *Brit J Ophthalmol* 47:95-108, Feb 63  
Bilateral eccentric fixation with no ocular deviation in a case of heredo-macular degeneration. Dalgleish R, et al. *Brit J Ophthalmol* 47:11-3, Jan 63  
Pseudotumor cerebri in children secondary to administration of adrenal steroids. Cohn GA. *J Neurosurg* 20:784-6, Sep 63

## STREPTOCOCCAL INFECTIONS

Subphrenic abscess: a thoracoabdominal clinical complex: the changing picture with antibiotics. Carter R, et al. *Amer J Surg* 108:165-74, Aug 64  
New penicilline. Warren GH. *Brit Med J* 5414:940-1, 10 Oct 64  
Host-parasite relationships among group A streptococci. II. Influence of sex on the susceptibility of inbred mice toward streptococcal infection. Willoughby DS, et al. *J Bact* 87:1457-61, Jun 64  
Rheumatic recurrences in patients not receiving continuous prophylaxis. Johnson EE, et al. *JAMA* 190:407-13, 2 Nov 64  
Bacteria induced morphologic changes. Hudson JA, et al. *Proc Soc Exp Biol Med* 116:628-31, Jul 64

## STREPTOCOCCUS

Phospholipids of *Streptococcus lactis*. Macleod P, et al. *J Bact* 87:1531, Jun 64  
Metabolism of intracellular polysaccharide by *Streptococcus mitis* and its relation to inducible enzyme formation. Gibbons RJ. *J Bact* 87:1512-20, Jun 64  
Host-parasite relationships among group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. Willoughby DS, et al. *J Bact* 87:1452-6, Jun 64  
Typing of group A streptococci by immunofluorescence. I. Preparation and properties of type I fluorescein-labeled antibody. Karakawa WW, et al. *J Bact* 87:1377-82, Jun 64  
Phospholipids of *Streptococcus lactis*. Macleod P, et al. *J Bact* 87:1531, Jun 64  
Metabolism of intracellular polysaccharide by *Streptococcus mitis* and its relation to inducible enzyme formation. Gibbons RJ. *J Bact* 87:1512-20, Jun 64  
Host-parasite relationships among group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. Willoughby DS, et al. *J Bact* 87:1452-6, Jun 64  
Structure of streptococcal cell walls. II. Group A biose and group A triose from C-polysaccharide. Heymann H, et al. *J Biol Chem* 239:1656-63, May 64  
An evaluation of cephalosporin derivatives in vitro and in experimental infections. Frost BM, et al. *J Path Bact* 88:125-36, Jul 64

## STREPTOCOCCUS FAECALIS

Host range of certain virulent and temperate bacteriophages attacking group D streptococci. Brock TD. *J Bact* 88:165-71, Jul 64  
Pyruvate fermentation by *Streptococcus faecalis*. Deibel RH, et al. *J Bact* 88:4-10, Jul 64  
Role of lipic acid in pyruvate transport. Leach FR, et al. *J Bact* 87:1529-30, Jun 64  
Host range of certain virulent and temperate bacteriophages attacking group D streptococci. Brock TD. *J Bact* 88:165-71, Jul 64  
Role of lipic acid in pyruvate transport. Leach FR, et al. *J Bact* 87:1529-30, Jun 64  
Pyruvate fermentation by *Streptococcus faecalis*. Deibel RH, et al. *J Bact* 88:4-10, Jul 64  
Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al. *J Clin Path* 17:461-5, Jul 64

## STREPTOCOCCUS PYOGENES

Chemically defined medium for growth *Streptococcus pyogenes*. Mickelson MN. *J Bact* 88:158-64, Jul 64  
The nasal flora of Auyana people in the Eastern



highlands of New Guinea. Rountree PM, et al. *Med J Aust* 2:336-7, 29 Aug 64

## STREPTODORNASE AND STREPTOKINASE

Assay of urokinase preparations with the synthetic substrate acetyl-L-lysine methyl ester. Sherry S, et al. *J Lab Clin Med* 64:145-53, Jul 64  
Current developments in ophthalmology. Fibrinolysis in retinal vascular occlusion. Blake J. *Proc Roy Soc Med* 57:493-4, Jun 64  
Urine peptidase activity following single and multiple oral doses of streptokinase. Innerfield I, et al. *Proc Soc Exp Biol Med* 116:573-5, Jul 64  
Thromboangiitis obliterans: with special reference to coagulation and clot lysis. Ende N. *Vasc Dis* 1:83-8, Mar 64  
Pitfalls in the thrombolytic treatment of venous occlusion. Amery A, et al. *Vasc Dis* 1:89-93, Mar 64

## STREPTOMYCES

Tyrosinase inheritance in *Streptomyces scabies*. I. Genetic recombination. Gregory KF, et al. *J Bact* 87:1281-6, Jun 64  
Tyrosinase inheritance in *Streptomyces scabies*. II. Induction of tyrosinase deficiency by acridine dyes. Gregory KF, et al. *J Bact* 87:1287-94, Jun 64  
Tyrosinase inheritance in *Streptomyces scabies*. I. Genetic recombination. Gregory KF, et al. *J Bact* 87:1281-6, Jun 64

## STREPTOMYCIN

Alternating regimens of streptomycin-pyrazinamide, isoniazid-para-aminosalicylic acid at Battey State Hospital. Corpe RF, et al. *Amer Rev Resp Dis* 90:262-5, Aug 64  
Experience with endobronchial medication. Saeed AH. *Dis Chest* 46:143-9, Aug 64  
Fertility after chemotherapy in male patients with genital tuberculosis. Obrant KO, et al. *Fertil Steril* 15:440-9, Jul-Aug 64  
Biosynthesis of mycobactin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al. *J Bact* 87:1402-5, Jun 64  
Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. Ginoza HS, et al. *J Bact* 87:1339-45, Jun 64  
Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. Piraino F, et al. *J Bact* 87:1503-11, Jun 64  
Biosynthesis of mycobactin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. Banerjee AB, et al. *J Bact* 87:1402-5, Jun 64  
Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. Ginoza HS, et al. *J Bact* 87:1339-45, Jun 64  
Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al. *J Clin Path* 17:461-5, Jul 64  
Hearing loss in infants of tuberculous mothers treated with streptomycin during pregnancy. Robinson GC, et al. *New Eng J Med* 271:949-51, 29 Oct 64

## STREPTOMYCIN TOXICOLOGY

Living without a balancing mechanism. Crawford J. *Brit J Ophthal* 48:357-60, Jul 64  
Cross-sensitivity between streptomycin and dihydrostreptomycin. Wenzel FJ, et al. *J Invest Derm* 43:99-101, Aug 64

## STRESS

Peripheral vasoconstriction induced by emotional stress in rats. Solomon GF, et al. *Angiology* 15:362-5, Aug 64  
Microangiographic visualization of blood distribution in intact and regenerated rat adrenals before and during cold stress. Kolthoff NJ, et al. *Angiology* 15:344-9, Aug 64  
Pathways by which traumatic stress and ether induce increased ACTH released in the rat. Matsuda K, et al. *Endocrinology* 74:981-5, Jun 64  
Effect of emotional stress and TSH on thyroid vein hormone level in sheep with exteriorized thyroids. Falconer IR, et al. *Endocrinology* 75:42-8, Jul 64  
Effect of stress on glycogen and phosphorylase in the rat anterior pituitary. Jacobowitz D, et al. *Endocrinology* 75:86-8, Jul 64  
Differential plasma corticosterone response to stress in four inbred strains of mice. Levine S, et al. *Endocrinology* 75:142-4, Jul 64  
Myocardial necroses produced in domesticated rats and in wild rats by sensory and emotional stresses. Raab W, et al. *Proc Soc Exp Biol Med* 116:665-9, Jul 64  
Falling apart: the verbalization of ego failure. Palombo SR, et al. *Psychiatry* 27:248-58, Aug 64

The aetiology of miliaria. Loewenthal LJ, et al. *S Afr Med J* 38:813-5, 15 Aug 64

## STRONTIUM ISOTOPES

Radioactive contamination of the human diet and of man. Harley JH. *Arch Environ Health (Chicago)* 9:649-53, Nov 64  
A nuclear needle for use in neurosurgery. Mullan S, et al. *J Neurosurg* 20:940-7, Nov 63  
Percutaneous interruption of spinal-pain tracts by means of a strontium-90 needle. Mullan S, et al. *J Neurosurg* 20:931-9, Nov 63  
Babies' intake of strontium. Widdowson EM, et al. *Lancet* 2:753-4, 3 Oct 64  
Effect of acidic polysaccharides on bone uptake of radioactive strontium and calcium. Paul TM, et al. *Surg Forum* 15:66-7, 1964

## STROPHANTHIN

Effect of ouabain on active transport of sodium in the cornea. Lambert B, et al. *Arch Ophthal (Chicago)* 72:525-8, Oct 64  
Cardiac dynamics and contractility after acetyl strophanthidin in the closed chest dog. Daggett WM, et al. *Surg Forum* 15:251-3, 1964  
[On a side-effect of cardiac glycosides on the viscosity of the blood] Müller HE. *Blut* 10:56-60, Mar 64 (Ger)  
[Cardiological emergencies in childhood] Heintzen P. *Deutsch Med Wochr* 89:1477-82, 31 Jul 64 (Ger)

## STRYCHNINE

Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation. Bernstein PW, et al. *J Neurosurg* 21:687-98, Aug 64

## SUBARACHNOID HEMORRHAGE

Recognition and treatment of hydrocephalus following spontaneous subarachnoid hemorrhage. Shulman K, et al. *J Neurosurg* 20:1040-9, Dec 63  
Intracranial surgery for aneurysm: effect of hypothermia upon survival. Hamby WB. *J Neurosurg* 20:41-5, Jan 63  
Fate of blood in the subarachnoid space. Kennady JC, et al. *Surg Forum* 15:424-5, 1964  
Production of clinical forms of head injury in the dog. Bouzarth WF, et al. *Surg Forum* 15:421-3, 1964

## SUBARACHNOID SPACE

An experimental evaluation of the effects of subarachnoid injection of phenol-pantopaque in cats: a histological study. Stewart WA, et al. *J Neurosurg* 20:64-72, Jan 63

## SUBCLAVIAN ARTERY

Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies. Friedberg CK, et al. *Circ Res* 15:1-10, Jul 64  
Direct percutaneous infraclavicular catheterization of the subclavian artery. Weiher J, et al. *J Neurosurg* 20:233-7, Mar 63  
Intracranial angiography by percutaneous puncture of the subclavian artery utilizing a subclavicular approach. Ray CD. *J Neurosurg* 20:400-5, May 63

## SUBCLAVIAN STEAL SYNDROME

The "subclavian steal" syndrome. Clinical and roentgenological observations in 8 cases. Kyllönen KE, et al. *Ann Chir Gynaec Fenn* 53:305-14, 1964

## SUBCLAVIAN VEIN

[Thromboses of the deep veins of the left upper extremity] Néel JL, et al. *Presse Med* 72:2373-6, 3 Oct 64 (Fr)

## SUBMANDIBULAR GLAND

Effects of pilocarpine on exchange of K42 in slices of submaxillary gland. Schneyer LH, et al. *Proc Soc Exp Biol Med* 116:813-7, Jul 64

## SUBPHRENIC ABSCESS

Subphrenic abscess: a thoracoabdominal clinical complex: the changing picture with antibiotics. Carter R, et al. *Amer J Surg* 108:165-74, Aug 64

## SUBSTANTIA NIGRA

Microelectrode analysis of substantia nigra-globus pallidus projections. Grossman RG. *Surg Forum* 15:398-400, 1964

## SUCCINATE DEHYDROGENASE

Histochemistry of the retina in the alloxan-diabetic rat. Newell FW, et al. *Brit J Ophthal* 47:596-600, Oct 63  
[Histochemical enzyme studies on rat bone marrow] Ketels-Harken H. *Blut* 10:49-55, Mar 64 (Ger)

## SUCCINATES

Succinic acid degradation by *Veillonella alcalescens*. Yousten AA, et al. *J Bact* 87:1527-8, Jun 64  
Respiratory pathways in the *Mycoplasma*. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64  
Mode of inhibition of sporulation of *Bacillus cereus* by ethyl malonate and ethyl succinate. Kominek LA, et al. *J Bact* 88:263, Jul 64  
Succinic acid degradation by *Veillonella alcalescens*. Yousten AA, et al. *J Bact* 87:1527-8, Jun 64  
Respiratory pathways in the *Mycoplasma*. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. VanDemark PJ, et al. *J Bact* 88:122-9, Jul 64  
Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. Wagle SR, et al. *J Biol Chem* 239:1289-91, May 64  
Argininosuccinic aciduria in monilethrix. Grosfeld JC, et al. *Lancet* 2:789-91, 10 Oct 64

## SUCCINYLCHOLINE

Pain following E.C.T. modified by muscle relaxants. Devine R, et al. *Brit Med J* 5416:1046-8, 24 Oct 64  
Action of suxamethonium on ptosis due to third-nerve palsy. Marshall M. *Brit Med J* 5417:1116-7, 31 Oct 64  
Enzymes and drug sensitivity. The genetics of serum cholinesterase "deficiency" in relation to suxamethonium apnoea. Harris H. *Proc Roy Soc Med* 57:503-6, Jun 64

## SUCROSE

Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. Auricchio S, et al. *Lancet* 2:914, 24 Oct 64  
Placental permeability to sucrose: a source of error in measuring volumes of sucrose distribution in gravidas. Chesley LC, et al. *Obstet Gynec* 23:795-8, May 64

## SUGGESTION

"Hypnotizability" and suggestibility in chronic schizophrenics. Barber TX, et al. *Arch Gen Psychiat (Chicago)* 11:439-51, Oct 64

## SUICIDE

Chloroquine suicide. Kiel FW. *JAMA* 190:398-400, 26 Oct 64  
Suicide and suicidal attempts in children and adolescents. *Lancet* 2:847-8, 17 Oct 64  
Organic phosphorus poisoning and therapy. Molphy R, et al. *Med J Aust* 2:337-40, 29 Aug 64

## SULFADIMETHOXINE

Long-acting sulphonamides associated with Stevens-Johnson syndrome. Craddock D. *Lancet* 2:864, 17 Oct 64

## SULFATES

Effect on kidney S35O4 uptake of compounds related to SO4 transport and metabolism. Deyrup IJ. *Amer J Physiol* 207:84-8, Jul 64  
The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al. *J Path Bact* 88:291-301, Jul 64  
Ester sulfate and collagen content of articular cartilage from human being femoral heads. Convery FR, et al. *Surg Forum* 15:435-7, 1964

## SULFHYDRYL COMPOUNDS

The characterization of modified human hemoglobin. I. Reaction with iodoacetamide and N-ethylmaleimide. Guidotti G, et al. *J Biol Chem* 239:1474-84, May 64  
On the reversible reaction of cyanate with sulfhydryl groups and the determination of NH2-terminal cysteine and cystine in proteins. Stark GR. *J Biol Chem* 239:1411-4, May 64  
A study of the distribution of incomplete rhesus antibodies among the serum immunoglobulin fractions. Dodd BE, et al. *J Exp Med* 120:45-55, 1 Jul 64  
Effects of bromobenzene on mouse tissue sulfhydryl and insulin-I-131 metabolism. Beck LV, et al. *Proc Soc Exp Biol Med* 116:283-8, Jun 64  
Influence of mercaptoethanol treatment on skin sensitizing and complement binding ability of 7 S anti-dinitrophenol-bovine gamma globulin antibody.



Wiedermann G, et al.  
Proc Soc Exp Biol Med 116:448-52, Jun 64

## SULFIDES

The genus *Veillonella*. 3. Hydrogen sulfide production by growing cultures. Rogosa M, et al.  
*J Bact* 88:37-41, Jul 64  
Interaction of phosphorothioate with the disulfide bonds of ribonuclease and lysozyme. Neumann H, et al.  
*J Biol Chem* 239:1536-40, May 64

## SULFITES

Rates of reaction of hemoglobin H with ligands. Benesch R, et al.  
*J Biol Chem* 239:1668-9, May 64

## SULFOBROMOPHTHALEIN

Initial distribution and rate of uptake of sulFOBromophthalein in the liver. Goresky CA. *Amer J Physiol* 207:13-26, Jul 64  
Studies of sulFOBromophthalein sodium (BSP) metabolism in man. I. In normal subjects and patients with hepatic disease. Schoenfield LJ, et al.  
*J Clin Invest* 43:1409-18, Jul 64  
Studies of sulFOBromophthalein sodium (BSP) metabolism in man. 3. Demonstration of a transport maximum (Tm) for biliary excretion of BSP. Schoenfield LJ, et al.  
*J Clin Invest* 43:1424-32, Jul 64  
Studies of sulFOBromophthalein sodium (BSP) metabolism in man. II. The effect of artificially induced fever, norethandrolone (Nilevar), and iopanoic acid (Telapaque). Schoenfield LJ, et al.  
*J Clin Invest* 43:1419-23, Jul 64

## SULFONAMIDES

Efflux of organic acids from rabbit kidney cortex. Despopoulos A, et al. *Amer J Physiol* 207:118-22, Jul 64  
Sulfamethoxazole therapy in pustular acne. Orentreich N, et al. *Curr Ther Res* 6:377-80, May 64  
Sulfonamide resistance of *Clostridium sporogenes*. Neikirk RL, et al. *J Bact* 87:1526-7, Jun 64  
Enzymes and drug sensitivity. Drug and enzyme interactions in porphyrias. Rimington C.  
Proc Roy Soc Med 57:511-4, Jun 64  
Antiviral activity of 3,5 diiodo-4-hydroxybenzenesulfonamide in chick embryo lung tissue culture. Kundin WD, et al.  
Proc Soc Exp Biol Med 116:425-7, Jun 64

## SULFONES

Sulphone resistance in leprosy. Corcos MG.  
*Lancet* 2:864-5, 17 Oct 64  
Sulphone resistance in leprosy. An experimental and clinical study. Pettit JH, et al.  
*Lancet* 2:673-4, 20 Sep 64

## SULFONIC ACIDS

Kanamycin ototoxicity in healthy men. Sataloff J, et al.  
*Arch Otolaryng (Chicago)* 80:413-7, Oct 64

## SULFUR ISOTOPES

Effect on kidney S35O4 uptake of compounds related to SO4 transport and metabolism. Deyrup LJ.  
*Amer J Physiol* 207:84-8, Jul 64  
Tracer studies on a transplantable hamster melanoma. Potts AM. *Arch Ophthalmol (Chicago)* 72:359-64, Sep 64  
Incorporation of S 35 into ribosomal proteins of *Escherichia coli*. Duerre JA. *J Bact* 88:130-6, Jul 64  
S35-labelled amino acids in experimental liver disease. Patrick RS, et al. *J Path Bact* 88:107-14, Jul 64

## SUNBURN

Nomenclature and classification of the disorders due to heat. *Lancet* 2:637-9, 19 Sep 64

## SUPPURATION

Postoperative suppurative parotitis. Lary BG.  
*Arch Surg (Chicago)* 89:653-5, Oct 64

## SURFACE-ACTIVE AGENTS

Action of surfactants on rubidium loss from frog sciatic nerves. Walsh RR, et al.  
*Amer J Physiol* 206:1422-4, Jun 64  
The reversible interaction of sodium dodecyl sulfate with bacterial chromatophores. Newton JW.  
*J Biol Chem* 239:1585-8, May 64  
A further purification of cytochrome oxidase. Wainio WW. *J Biol Chem* 239:1402-5, May 64  
Poisonings and other health hazards associated with use of detergents. Arena JM. *JAMA* 190:56-8, 5 Oct 64  
DRUG EFFECTS ON EPINEPHRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al.  
Proc Soc Exp Biol Med 116:705-12, Jul 64  
Quantitative effects of alkyl benzene sulfonate (ABS)

on KB cells in tissue culture. Benarde MA, et al.  
Proc Soc Exp Biol Med 116:781-4, Jul 64  
Effect of various surface active agents on heparin binding and clot formation on graphite surfaces. Whiffen JD, et al.  
Proc Soc Exp Biol Med 116:314-7, Jun 64  
Emulsified pantopaque for cerebral ventriculography. Markesbery W, et al. *Surg Forum* 15:419-21, 1964

## SURFACE TENSION

Effect of surface tension on circulation in the excised lungs of dogs. Bruderman I, et al.  
*J Appl Physiol* 19:707-12, Jul 64  
Effect of intra-alveolar fluid on pulmonary surface tension properties. Johnson JW, et al.  
*J Appl Physiol* 19:769-77, Jul 64  
Alveolar surfactant in lung homotransplantation and hilar stripping. Yeh TJ, et al.  
*Surg Forum* 15:191-2, 1964

## SURGERY

Postgraduate medical training on the Pacific Coast. Mathewson C Jr. *Amer J Surg* 108:127-31, Aug 64

## SURGERY, MINOR

Arm tourniquet tolerance in unanesthetized adults. Bennett JE, et al. *Surg Forum* 15:463-5, 1964

## SURGERY, OPERATIVE

Hypotony following cyclodialysis. Miller SJ.  
*Brit J Ophthalmol* 47:211-4, Apr 63  
Surgical problems and pulmonary function in the geriatric patient, including observations on a man purported to be 167 years old. Glenn F, et al.  
*J Amer Geriatr Soc* 12:632-45, Jul 64  
Mortality and morbidity in surgical patients with coronary artery disease. Arkins R, et al.  
*JAMA* 190:485-8, 9 Nov 64

## SURGERY, PLASTIC

Plastic surgery in otolaryngology. Anderson JR. *Arch Otolaryng (Chicago)* 80:365-7, Oct 64  
Conjunctival pockets. Ayoab S.  
*Brit J Ophthalmol* 47:126, Feb 63  
Research. Calnan J. *Brit J Plast Surg* 17:222-4, Jul 64  
Training of plastic surgeons. Rank BK.  
*Brit J Plast Surg* 17:217-21, Jul 64  
The use of adhesive surgical tape in plastic surgery. Gibson EW, et al. *Brit J Plast Surg* 17:265-70, Jul 64  
"Pre-cision," rather than "delay". Fischl RA.  
*Brit J Plast Surg* 17:309-10, Jul 64  
Surgical treatment of disorders of the fore part of the foot. Thompson C.  
*J Bone Joint Surg [Amer]* 46:1117-28, Jul 64  
Honorary award acceptance speech. Billingham RE. *Plast Reconstr Surg* 34:121-2, Aug 64  
Presentation to Rupert E. Billingham, D.Sc., F.R.S., of the honorary award of the American Association of Plastic Surgeons. (Billingham RE), et al.  
*Plast Reconstr Surg* 34:117-20, Aug 64  
Excellence in plastic surgery. Cronin TD.  
*Plast Reconstr Surg* 34:123-5, Aug 64  
Relative value fee schedules. De Kleine EH.  
*Plast Reconstr Surg* 34:202-4, Aug 64  
Masquerade graft technique for simultaneous reconstruction of upper and lower eyelids in patients with blastomycosis, amyloidosis or other chronic septic destructive lesions. Snyder GB, et al.  
*Plast Reconstr Surg* 34:163-8, Aug 64  
Sterling Bunnell—Surgical giant at work. (Bunnell S), et al. *Surg Clin N Amer* 44:889-95, Aug 64  
Limited and extensive operations in Dupuytren's contracture. Tubiana R.  
*Surg Clin N Amer* 44:1071-80, Aug 64  
Evaluation and management of nerve injuries in the hand. Moberg E. *Surg Clin N Amer* 44:1019-29, Aug 64  
Practical considerations for primary and secondary repair in flexor tendon injuries. Verdan C.  
*Surg Clin N Amer* 44:951-70, Aug 64  
Fundamental principles of plastic surgery as applied to injuries of the upper extremity. Baxter H.  
*Surg Clin N Amer* 44:971-6, Aug 64  
Crushing and avulsing injuries of the hand. Entin MA.  
*Surg Clin N Amer* 44:1009-18, Aug 64

## SURGICAL EQUIPMENT

A new dual purpose Y connector. Albert SN.  
*Anesthesiology* 25:575, Jul-Aug 64  
Obstructed endotracheal catheter. Sobel AM.  
*Anesthesiology* 25:581, Jul-Aug 64  
Pulse monitor in ocular surgery. Brown KR, et al.  
*Brit J Ophthalmol* 47:184-5, Mar 63  
Bony spicule piercing the pumping device for shunting cerebrospinal fluid. Jakoby RK.  
*J Neurosurg* 20:523, Jun 63

## SURGICAL INSTRUMENTS

Keratoplasty. A method using track sutures and the operating microscope. Sanders N.  
*Brit J Ophthalmol* 47:149-52, Mar 63  
Further experience with intracapsular cataract extraction by application of low temperature. Krawicz T. *Brit J Ophthalmol* 47:36-8, Jan 63  
Experimental cataract section. A preliminary report. Pattison GN. *Brit J Ophthalmol* 47:237-41, Apr 63  
"Bird-beak" ophthalmic forceps. Dobree JH.  
*Brit J Ophthalmol* 48:53, Jan 64  
Muscle clamp for use in recession of the inferior oblique. Nutt AB, et al. *Brit J Ophthalmol* 48:54, Jan 64  
A dissector for ptosis surgery. Dalglish R.  
*Brit J Ophthalmol* 48:56, Jan 64  
A saline injection stripper for varicose veins. Lee M.  
*Brit Med J* 54:4:939, 10 Oct 64  
An evaluation of automatic suture with UKL-60 and UKL-40 devices by pulmonary resection. Goldman A.  
*Dis Chest* 46:29-36, Jul 64  
Treatment of non-union of fractures of the long bones by the two-plate method. Murray WR, et al.  
*J Bone Joint Surg [Amer]* 46:1027-48, Jul 64  
New type of tube for tracheotomy with inflatable cuff and inner cannula. Jackson FE.  
*J Neurosurg* 20:809, Sep 63  
Complications in the use of temporary intracranial arterial clip. Alexander E Jr, et al.  
*J Neurosurg* 20:810-1, Sep 63  
Burr-hole buttons for fixation of craniotomy bone. Todd EM, et al. *J Neurosurg* 20:448-9, May 63  
Dural instrument. Baldwin M.  
*J Neurosurg* 20:447, May 63  
Technique of arterial puncture. A new needle-cannula for arteriography. New PF, et al.  
*J Neurosurg* 20:390-6, May 63  
New instrument for brain biopsy. Hallac I, et al.  
*J Neurosurg* 20:529-30, Jun 63  
A nuclear needle for use in neurosurgery. Mullan S, et al. *J Neurosurg* 20:940-7, Nov 63  
A dissector-clamp. Johnson HD. *Lancet* 2:737, 3 Oct 64  
Finger biopsy forceps. Shipman JJ.  
*Lancet* 2:844, 17 Oct 64

## SURGICAL MESH

The proper use of stainless steel mesh in inguinal hernia repair. Ashley P.  
*J Int Coll Surg* 42:367-71, Oct 64  
Improved conservative treatment of exomphalos. Dorogi J. *Lancet* 2:888-9, 24 Oct 64  
Gradual closure of aortopulmonary septal defects. Reis RL, et al. *Surg Forum* 15:266-7, 1964  
Use of collagen cloth for repair of tissue defects. McBride CM, et al. *Surg Forum* 15:70-1, 1964

## SURGICAL WOUND INFECTION

Staphylococcal wound infection complicating orthopaedic operations. Raf L.  
*Acta Orthop Scand* 34:289-98, 1964  
Bacterial endophthalmitis after cataract extraction. A study of 22 infections in 20,000 operations. Allen HF, et al. *Arch Ophthalmol (Chicago)* 72:454-62, Oct 64  
Bacterial infections in the heart. An experimental study on the influence of silk and synthetic sutures. Niguidula FN, et al.  
*Arch Surg (Chicago)* 89:669-76, Oct 64  
Wound infections: inoculum versus medium. Zimmerman JM, et al. *Surg Forum* 15:62-4, 1964  
Relationship of skin carriage to postoperative staphylococcal wound infection. Cole WR, et al. *Surg Forum* 15:52-4, 1964  
Reduction of surgical wound infection by tape closure. Carpendale MT. *Surg Forum* 15:58-60, 1964

## SURVIVAL

Valve of fluid and electrolyte supplements in subarctic survival situations. Rogers TA, et al.  
*J Appl Physiol* 19:580-2, Jul 64

## SUTURE TECHNICS

Keratoplasty. A method using track sutures and the operating microscope. Sanders N.  
*Brit J Ophthalmol* 47:149-52, Mar 63  
The "string syndrome" seen as a complication of Arruga's cerclage suture. Manson N.  
*Brit J Ophthalmol* 48:70-4, Feb 64  
Cataract extraction with optimum wound closure. Giardini A, et al. *Brit J Ophthalmol* 48:133-8, Mar 64  
Evolution of plastic material in the surgery of retinal detachment. Rycroft P.  
*Brit J Ophthalmol* 48:121-32, Mar 64  
Pre-placed versus post-placed corneo-scleral sutures in cataract surgery. Singh D.  
*Brit J Ophthalmol* 47:116-22, Feb 63  
Transposition of the lateral slips of the aponeurosis in treatment of long-standing "boutonniere deformity" of the fingers. Matev I.  
*Brit J Plast Surg* 17:281-6, Jul 64  
An evaluation of automatic suture with UKL-60 and



UKL-40 devices by pulmonary resection. Goldman A. *Dis Chest* 46:29-36, Jul 64  
 The interlocking slip knot. Lucid ML. *Plast Reconstr Surg* 34:200-1, Aug 64  
 Is serosa-to-serosa approximation necessary in intestinal anastomosis? Healey JE Jr, et al. *Surg Forum* 15:297-9, 1964  
 Reduction of surgical wound infection by tape closure. Carpendale MT. *Surg Forum* 15:58-60, 1964

## SUTURES

Removal of corneoscleral sutures: new technique. Shukla BR, et al. *Arch Ophthal* (Chicago) 72:645-6, Nov 64  
 Bacterial infections in the heart. An experimental study on the influence of silk and synthetic sutures. Niguidula FN, et al. *Arch Surg* (Chicago) 89:669-76, Oct 64  
 The properties of catgut sutures sterilized by heat, ethylene oxide and electron beams. Thoenes LA. *J Int Coll Surg* 42:382-6, Oct 64  
 Susceptibility of vascular sutures to infection in experimental bacteremia. Gonzalez LL, et al. *Surg Forum* 15:68-9, 1964  
 [Tissue reactions to contact with nonresorbable suture threads. (Comparative experimental study)]  
 Courbier R, et al. *Presse Med* 72:2233-4, 19 Sep 64 (Fr)

## SV40 VIRUS

Ultrafiltration of simian viruses. Atoynatan T, et al. *Proc Soc Exp Biol Med* 116:852-6, Jul 64  
 Host-virus relationships in hamsters inoculated with SV40 virus during the neonatal period. Girardi AJ, et al. *Proc Soc Exp Biol Med* 116:723-8, Jul 64  
 Separation of SV40 from poliovirus by extraction with 1-butanol. Macmorine HG, et al. *Proc Soc Exp Biol Med* 116:310-3, Jun 64  
 Current concepts of viral neoplasia. Bryan WR. *Southern Med J* 57:1263-7, Nov 64

## SWEAT

d-Aldosterone and sweat electrolytes. McConahay TP, et al. *J Appl Physiol* 19:575-9, Jul 64

## SWEAT GLANDS

The aetiology of miliaria. Loewenthal LJ, et al. *S Afr Med J* 38:613-5, 15 Aug 64

## SWEATING

Abnormal facial sweating. Pearce JM. *Brit J Clin Pract* 18:409-12, Jul 64  
 Sweating in the treatment of chronic uraemia. Sobel J, et al. *Lancet* 2:760-1, 3 Oct 64

## SWINE

Total body water in farm animals. Hansard SL. *Amer J Physiol* 206:1369-72, Jun 64  
 Antigenic characteristics of spermatozoa from bulls, rams and boars. II. Sperm agglutinins in normal and immune sera. Matousek J. *J Reprod Fertil* 8:5-11, Aug 64

## SWINE DISEASES

Porcine contagious pleuropneumonia. 3. Interrelationship of Hemophilus pleuropneumoniae to other species of Hemophilus: nutritional, metabolic, transformation, and electron microscopy studies. White DC, et al. *J Exp Med* 120:1-12, 1 Jul 64

## SYMBOLISM

On death and death symbolism: the Hiroshima disaster. Lifton RJ. *Psychiatry* 27:191-210, Aug 64

## SYMPATHECTOMY

The modification of digitalis intoxication by excluding adrenergic influences on the heart. Ertij D, et al. *J Pharmacol Exp Ther* 144:97-103, Apr 64  
 Immunological sympathectomy and CCl-4 hepatotoxicity. Larson RE, et al. *Proc Soc Exp Biol Med* 116:557-60, Jul 64  
 Removal of the carotid body for asthma and emphysema. Phillips JR. *Southern Med J* 57:1278-81, Nov 64  
 Pulmonary vascular responses to hypoxia and their modification by pharmacologic sympathectomy. McLaughlin JS, et al. *Surg Forum* 15:165-6, 1964

## SYMPATHETIC NERVOUS SYSTEM

Return of neural responses after autotransplantation of the heart. Willman VL, et al. *Amer J Physiol* 207:187-9, Jul 64  
 Abnormal facial sweating. Pearce JM. *Brit J Clin Pract* 18:409-12, Jul 64  
 Electrical quiescence of pulmonary artery smooth

muscle during sympathomimetic stimulation. Su C, et al. *Circ Res* 15:28-7, Jul 64  
 The neurogenic metabolic factor in ischemic heart disease. Raab W. *Dis Chest* 46:150-7, Aug 64  
 Adrenergic mechanisms and the outflow of aqueous humor from the rabbit eye. Eakins KE, et al. *J Pharmacol Exp Ther* 144:60-5, Apr 64

## SYMPATHOLYTICS

Alteration of vascular responses to endotoxin by adrenergic blockade. Brake CM, et al. *Amer J Physiol* 207:149-51, Jul 64  
 Digitalis toxicity, calcium and pronethalol. Kottogoda SR. *Brit Med J* 5418:1202, 7 Nov 64  
 The modification of digitalis intoxication by excluding adrenergic influences on the heart. Ertij D, et al. *J Pharmacol Exp Ther* 144:97-103, Apr 64  
 Action of pronethalol on Parkinsonian tremor. Herring AB. *Lancet* 2:892, 24 Oct 64  
 Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. Taylor RR, et al. *New Eng J Med* 271:877-82, 22 Oct 64  
 The choice of hypotensive agents. Palmer KN. *Practitioner* 193:43-9, Jul 64

## SYMPATHOMIMETICS

Controlled study of a new inhalant in asthma and bronchitis. el-Shaboury AH. *Brit Med J* 5416:1037-40, 24 Oct 64  
 Hemodynamic effects of pressor agents in septic and myocardial infarction shock. Smulyan H, et al. *JAMA* 190:188-94, 19 Sep 64  
 DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al. *Proc Soc Exp Biol Med* 116:705-12, Jul 64  
 A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. Lands AM, et al. *Proc Soc Exp Biol Med* 116:331-3, Jun 64

## SYNCOPE

Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. Kong Y, et al. *Circulation* 30:109-13, Jul 64  
 Quinidine syncope. Paroxysmal ventricular fibrillation occurring during treatment of chronic atrial arrhythmias. Selzer A, et al. *Circulation* 30:17-26, Jul 64  
 Roentgen therapy for carotid sinus syncope. Aravanis C, et al. *Vasc Dis* 1:119-21, Mar 64

## SYNOVIAL FLUID

Hemolytic complement in synovial fluid. Pekin TJ Jr, et al. *J Clin Invest* 43:1372-82, Jul 64  
 [The synovial raiin cell. Its value in the diagnosis of rheumatic diseases] Delbarre F, et al. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)

## SYNOVIOMA

Malignant synovioma in a cow. Dungworth DL, et al. *J Path Bact* 88:83-7, Jul 64

## SYPHILIS

Comparative studies of the rapid plasma reagin card test for syphilis and the VDRL slide test in Ethiopia. Buck AA, et al. *Amer J Hyg* 80:85-90, Jul 64  
 Seroreactivity in the venereal disease research laboratory slide test and the fluorescent treponemal antibody test. A study of patterns in selected disease and control groups in Ethiopia. Buck AA, et al. *Amer J Hyg* 80:91-102, Jul 64  
 Failure of erythromycin estolate therapy in in utero syphilis. South MA, et al. *JAMA* 190:70-1, 5 Oct 64

## SYPHILIS, CONGENITAL

Glaucoma and inactive syphilitic interstitial keratitis. Britten MJ, et al. *Brit J Ophthal* 48:181-90, Apr 64  
 A teratoma of the placenta. Fox H, et al. *J Path Bact* 88:137-40, Jul 64  
 Failure of erythromycin estolate therapy in in utero syphilis. South MA, et al. *JAMA* 190:70-1, 5 Oct 64

## SYPHILIS SERODIAGNOSIS

Course of the serologic reactions in rabbits inoculated with different numbers of Treponema pallidum. Kent JF, et al. *Amer J Clin Path* 42:33-6, Jul 64  
 Seroreactivity in the venereal disease research laboratory slide test and the fluorescent treponemal antibody test. A study of patterns in selected disease and control groups in Ethiopia. Buck AA, et al. *Amer J Hyg* 80:91-102, Jul 64  
 The heparinized capillary tube as an epidemiologic tool. I. Syphilis and Salmonella serologic screening. Worth RM. *Amer J Hyg* 80:62-9, Jul 64  
 Comparative studies of the rapid plasma reagin card

test for syphilis and the VDRL slide test in Ethiopia. Buck AA, et al. *Amer J Hyg* 80:85-90, Jul 64

## SYRINGES

New Way to syringe care. Dawson JB. *Brit Med J* 5415:1010, 17 Oct 64

## SYROSINGOPINE

The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. Moore KE. *J Pharmacol Exp Ther* 144:46-51, Apr 64

## TABES DORSALIS

Pseudo-Argyll Robertson pupils in optic nerve disease. Levatin P, et al. *Brit J Ophthal* 48:109-13, Feb 64  
 Percutaneous interruption of spinal-pain tracts by means of a strontium90 needle. Mullan S, et al. *J Neurosurg* 20:931-9, Nov 63

## TABLETS

Code for drugs. Clouting FC, et al. *Brit Med J* 5416:1073, 24 Oct 64

## TACHYCARDIA

Observations in patients with implanted pacemaker. 3. Frequency of ventricular tachycardia as cause of Adams-Stokes attacks and rate of pacing required for its prevention. Dressler W. *Amer Heart J* 68:19-24, Jul 64  
 Hemodynamic responses to induced tachycardia in methylene blue-treated dogs. Afonso S, et al. *Amer J Physiol* 206:1279-80, Jun 64  
 Use of low-molecular-weight dextran in management of foetal distress in labour. Jones JB. *Brit Med J* 5414:909-10, 10 Oct 64  
 Cardiac arrhythmias produced by catecholamines in anesthetized dogs. Moore EN, et al. *Circ Res* 15:77-82, Jul 64  
 The chronotropic action of tyramine studied by direct perfusion of the sinus node through its artery. James TN, et al. *J Pharmacol Exp Ther* 144:83-8, Apr 64  
 Ventricular tachycardia after synchronized direct-current countershock. Graf WS, et al. *JAMA* 190:470-1, 2 Nov 64

## TACHYCARDIA, PAROXYSMAL

Paroxysmal ventricular tachycardia. Mackenzie GJ, et al. *Brit Heart J* 26:441-51, Jul 64

## TALC

Lung function in talc workers. Kleinfeld M, et al. *Arch Environ Health* (Chicago) 9:559-66, Nov 64

## TANTALUM

Pharyngeal implants for reduction of air space in velopharyngeal insufficiency. I. An experimental study. Ward PH, et al. *Ann Otol* 73:443-57, Jun 64

## TARSAL JOINT

Dislocations of the tarsometatarsal joints. Bassett FH 3d. *Southern Med J* 57:1294-302, Nov 64

## TASTE

Salt taste thresholds and cystic fibrosis. Wotman S, et al. *Amer J Dis Child* 108:372-4, Oct 64  
 Phenylthiourea taste testing and glaucoma. Becker B, et al. *Arch Ophthal* (Chicago) 72:323-7, Sep 64

## TAURINE

Studies on some cardiac effect of taurine. Welty JD, et al. *J Pharmacol Exp Ther* 144:110-5, Apr 64  
 Taurine excretion following drug-induced muscle necrosis and x-irradiation. Goyer RA, et al. *Proc Soc Exp Biol Med* 116:534-6, Jun 64

## TEACHING

Teaching diagnostic skills. Peterson OL. *New Eng J Med* 271:1046-7, 12 Nov 64  
 The training of the physician. Research in the teaching-learning process--two experimental modules. Ham TH. *New Eng J Med* 271:1042-6, 12 Nov 64

## TEARS

Current developments in ophthalmology. The ocular effects of autonomic surgery. Golding-Wood PH. *Proc Roy Soc Med* 57:494-7, Jun 64



## TECHNOLOGY, RADIOLOGIC

An inexpensive 35 to 16-mm. reduction printer and animation device for cineradiographic films. Criley JM, et al. *Amer Heart J* 68:51-4, Jul 64  
Axial transverse tomography. Wells A. *Radiography* 30:175-80, Jul 64

## TELANGIECTASIS

Coats's disease. II. Studies on the identity of the lipids concerned, and the probable role of mucopolysaccharides in its pathogenesis. Duke JR, et al. *Brit J Ophthalmol* 47:413-34, Jul 63  
Coats's disease. I. Review of the literature, diagnostic criteria, clinical findings, and plasma lipid studies. Woods AC, et al. *Brit J Ophthalmol* 47:385-412, Jul 63

## TELEMETRY

Angina pectoris and arrhythmias documented by cardiac telemetry. Norland CC, et al. *JAMA* 190:115-8, 12 Oct 64  
Pressure telemeter: a method of measuring intravesical pressure without tubes, wires, or catheters. Gleason DM, et al. *Surg Forum* 15:502-3, 1964

## TELENCEPHALON

Interamygdaloid propagation. Andy OJ, et al. *Surg Forum* 15:400-2, 1964

## TELEVISION

Conditioning factors in stroboscopic-induced seizures. Forster FM, et al. *Epilepsia (Amst)* 5:156-65, Jun 64  
A physical assessment of the Cinelex electro-optical image intensifier in television fluoroscopy. Hay GA. *Radiology* 83:86-91, Jul 64

## TEMPERATURE

Studies with cultured brown adipose tissue. II. Influence of low temperature on rabies virus infection in bat brown fat. Allen R, et al. *Amer J Hyg* 80:25-32, Jul 64  
Transmyocardial temperature gradient in dog and man: relation to the polarity of the T wave of the electrocardiogram. Reynolds EW Jr, et al. *Circ Res* 15:11-9, Jul 64

## TEMPORAL ARTERITIS

Temporal arteritis; a rarity in the young adult. Bethlenfalvai NC, et al. *Arch Intern Med (Chicago)* 114:487-9, Oct 64  
Temporal arteritis. Whitfield AG, et al. *Brit J Ophthalmol* 47:555-66, Sep 63

## TEMPORAL BONE

Tomography in atresia of the external auditory meatus. James JA, et al. *Brit J Radiol* 37:511-25, Jul 64

## TEMPORAL LOBE

Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM. *Brit Med J* 5417:1104-7, 31 Oct 64  
Mental and seizure manifestations in relation to brain tumors. A statistical study. Güvener A, et al. *Epilepsia (Amst)* 5:166-76, Jun 64  
Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. De La Torre E, et al. *J Neurosurg* 20:461-70, Jun 63

## TEMPOROMANDIBULAR JOINT

Disorders of the temporomandibular joint. Waite DE. *Plast Reconstr Surg* 34:186-91, Aug 64

## TENDON INJURY

Steroids and spontaneous tendon rupture. Sylbert P. *JAMA* 190:475, 2 Nov 64  
Practical considerations for primary and secondary repair in flexor tendon injuries. Verdan C. *Surg Clin N Amer* 44:951-70, Aug 64  
Uptake of tritiated proline in regenerating tendon. Lindsay WK, et al. *Surg Forum* 15:459-61, 1964

## TENDON TRANSPLANTATION

Practical considerations for primary and secondary repair in flexor tendon injuries. Verdan C. *Surg Clin N Amer* 44:951-70, Aug 64  
Uptake of tritiated proline in regenerating tendon. Lindsay WK, et al. *Surg Forum* 15:459-61, 1964  
[Muscle-tendon transplantations for paralysis of the upper extremity] Iselin F. *Presse Med* 72:2339-42, 26 Sep 64 (Fr)

## TENDONS

The physiology of the extension of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:909-18, Aug 64  
The anatomy of the extensor apparatus of the fingers. Tubiana R, et al. *Surg Clin N Amer* 44:897-906, Aug 64

## TENOSYNOVITIS

Hand disability due to tenosynovitis. Kelly AP Jr, et al. *Industr Med Surg* 33:570-4, Aug 64

## TERATOID TUMOR

Prognosis of cancer of the testis. Follow-up study of 69 cases. Perttala Y. *Ann Chir Gynaec Fenn* 53:349-56, 1964  
Intracranial teratoma replacing brain. Report of a case. Oberman B. *Arch Neurol (Chicago)* 11:423-6, Oct 64  
Histological effects of intra-testicular injections of cadmium chloride in domestic fowl. Guthrie J. *Brit J Cancer* 18:255-60, Jun 64  
Combined tumour. Pugh RC, et al. *Brit J Urol* 36:Suppl:45-51, Jun 64  
The pathology of testicular tumours. Miscellaneous tumours of mainly epithelial type. Brown NJ. *Brit J Urol* 36:Suppl:70-7, Jun 64  
Teratoma. Pugh RC, et al. *Brit J Urol* 36:Suppl:28-44, Jun 64  
Pathology of tumours in children. Steward JK. *J Clin Path* 17:407-10, Jul 64  
Intramedullary tumors of spinal cord. A follow-up study after total surgical removal. Greenwood J Jr. *J Neurosurg* 20:665-8, Aug 63  
Cerebral teratoma associated with epignathus in a newborn infant. Duckett S, et al. *J Neurosurg* 20:888-91, Oct 63  
A teratoma of the placenta. Fox H, et al. *J Path Bact* 88:137-40, Jul 64  
Gastric teratoma in an adult: With a review of the literature. Gray SW, et al. *Southern Med J* 57:1346-51, Nov 64

## TESTICULAR NEOPLASMS

Prognosis of cancer of the testis. Follow-up study of 69 cases. Perttala Y. *Ann Chir Gynaec Fenn* 53:349-56, 1964  
Monorchia with seminoma in a cryptorchid. An unusual case of tumour of testis. Sahi RP, et al. *Brit J Urol* 36:222-4, Jun 64  
Malignant lymphoma of the testis. Gowing NF. *Brit J Urol* 36:Suppl:85-94, Jun 64  
The pathology of testicular tumours. Miscellaneous tumours of mainly epithelial type. Brown NJ. *Brit J Urol* 36:Suppl:70-7, Jun 64  
Paratesticular tumours of connective tissue and muscle. Gowing NF, et al. *Brit J Urol* 36:Suppl:78-84, Jun 64  
Interstitial-cell tumour. Collins DH, et al. *Brit J Urol* 36:Suppl:62-9, Jun 64  
Inflammatory lesions simulating malignancy. Morgan AD. *Brit J Urol* 36:Suppl:95-102, Jun 64  
Seminoma. Thackray AC. *Brit J Urol* 36:Suppl:12-27, Jun 64  
Hormone investigations in cases of testicular tumour. Symington T, et al. *Brit J Urol* 36:Suppl:103-6, Jun 64  
Classification and frequency of testicular tumours. Collins DH, et al. *Brit J Urol* 36:Suppl:1-11, Jun 64  
Combined tumour. Pugh RC, et al. *Brit J Urol* 36:Suppl:45-51, Jun 64  
The pathology of testicular tumours. Studies from the Testicular Tumour Panel and Registry of the Pathological Society of Great Britain and Ireland in association with the British Empire Cancer Campaign for Research. *Brit J Urol* 36:1-112, Jun 64  
Relative malignancy of testicular tumours. Pugh RC, et al. *Brit J Urol* 36:Suppl:107-11, Jun 64  
Teratoma. Pugh RC, et al. *Brit J Urol* 36:Suppl:28-44, Jun 64  
Sertoli-cell tumour. Collins DH, et al. *Brit J Urol* 36:Suppl:52-61, Jun 64  
Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Yokoro K, et al. *Cancer Res* 24:683-8, May 64  
Clinical, morphological and biochemical studies on a malignant testicular tumor. Engel FL, et al. *J Clin Endocr* 24:528-42, Jun 64

## TESTIS

Effects of rhinencephalic lesions on endocrine and somatic development in the rat. Kling A. *Amer J Physiol* 206:1395-400, Jun 64  
Incorporation of L-lysine-U-C14 into proteins of cryptorchid testis slices. Davis JR, et al. *Amer J Physiol* 207:50-4, Jul 64  
Torsion of the appendix testis. Silvola H, et al. *Ann Chir Gynaec Fenn* 53:400-7, 1964  
Histological effects of intra-testicular injections of cadmium chloride in domestic fowl. Guthrie J. *Brit J Cancer* 18:255-60, Jun 64  
Bilharziasis of the testis. Houston W. *Brit J Urol* 36:220-1, Jun 64

Inflammatory lesions simulating malignancy. Morgan AD. *Brit J Urol* 36:Suppl:95-102, Jun 64  
Metabolism of 4-14C-progesterone by human fetal testis and ovaries. Bloch E. *Endocrinology* 74:833-45, Jun 64  
Effect of local irradiation on testicular androgen biosynthesis. Schoen EJ. *Endocrinology* 75:56-65, Jul 64  
Cell renewal in the interstitial tissue of postnatal prepuberal rat testis. Niemi M, et al. *Endocrinology* 74:996-8, Jun 64  
Effect of castration in man upon blood sedimentation rate, hematocrit and hemoglobin. Hamilton JB, et al. *J Clin Endocr* 24:506-11, Jun 64  
Effects of neonatal gamma irradiation on hormone production and spermatogenesis in testis of the adult pig. Erickson BH. *J Reprod Fertil* 8:91-100, Aug 64  
Evaluation of a testicular biopsy technique in the rabbit. McFee AF, et al. *J Reprod Fertil* 8:141-4, Aug 64  
Metabolism of thyroglobulin-I-131 in the guinea pig in vivo and in vitro. Gilboa Y, et al. *Metabolism* 13:661-8, Jul 64  
["True" and "false" Klinefelter syndromes] Rivière J, et al. *Presse Med* 72:2511-3, 17 Oct 64 (Fr)

## TESTOSTERONE

The effect of exogenous precursors on etiocholanolone androsterone ratios in man. Kirschner MA, et al. *Acta Endocr (Copenhagen)* 46:207-16, Jun 64  
Androgen regulation of mouse kidney ribonucleases. Kochakian CD, et al. *Acta Endocr (Copenhagen)* 46:179-84, Jun 64  
Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. Wilson H, et al. *Acta Endocr (Copenhagen)* 46:197-206, Jun 64  
Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. Kochakian CD. *Acta Endocr (Copenhagen)* 46:Suppl 92:1-16, 1964  
Some aspects of steroid biosynthesis in human ovarian tissue. Forleo R, et al. *Acta Endocr (Copenhagen)* 46:265-78, Jun 64  
Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation of some of the esters. Agarwal KN, et al. *Acta Endocr (Copenhagen)* 47:Suppl 93:37-52, 1964  
Pituitary gonadotrophin inhibitory action of neutral steroids. Kinci FA, et al. *Acta Endocr (Copenhagen)* 46:300-6, Jun 64  
Influence of anterior pituitary on avoidance learning and escape behavior. De Wied D. *Amer J Physiol* 207:255-9, Jul 64  
Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Freeman JJ, et al. *Endocrinology* 74:990-3, Jun 64  
Changes in glycoproteins in serum, urine and aqueous humor after gonadectomy or sex hormone injections in rats. Houssay AB, et al. *Endocrinology* 74:825-32, Jun 64  
Steroid biosynthesis in the fetal ovary. Roberts JD, et al. *Endocrinology* 74:846-52, Jun 64  
Some biological properties of synthetic 18-hydroxytestosterone. Kagawa CM, et al. *Endocrinology* 74:999-1000, Jun 64  
Studies on testosterone metabolism. II. Metabolism of testosterone-4-14C and androst-4-ene-3, 17-dione-1,2-3H. Baulieu EE, et al. *J Biol Chem* 239:1578-84, May 64  
Studies on testosterone metabolism. I. Conversion of testosterone-17-alpha-3H to 5-alpha- and 5-beta-androstane-3-alpha, 17-beta-deol-17-alpha-3H: a new "17-beta-hydroxyl pathway". Baulieu EE, et al. *J Biol Chem* 239:1569-77, May 64  
Androgens and the skin. Ebling FJ. *Proc Roy Soc Med* 57:525-7, Jun 64  
Hypocholesterolemic effect of an androsterone analogue. Ranney RE, et al. *Proc Soc Exp Biol Med* 116:596-9, Jul 64  
Plasma testosterone levels in patients with prostatic carcinoma. Kent JR, et al. *Surg Forum* 15:485-6, 1964

## TESTOSTERONE, THERAPEUTIC

The combined thiopeta and testosterone treatment of cancer of the breast. Brown IS, et al. *Brit J Cancer* 18:238-46, Jun 64  
Radioactive phosphorus treatment of bone-metastatic carcinoma of the prostate. Smart JG. *Lancet* 2:882-3, 24 Oct 64

## TETANUS

[On the therapy of tetanus] Izar G. *Minerva Med* 55:2409-12, 18 Aug 64 (It)

## TETANUS ANTITOXIN

[On the therapy of tetanus] Izar G. *Minerva Med* 55:2409-12, 18 Aug 64 (It)



## TETANUS TOXOID

Reactions to tetanus toxoid: a report of five cases.  
Schneider CH. *Med J Aust* 2:303-5, 22 Aug 64  
[On the therapy of tetanus] Izar G.  
*Minerva Med* 55:2409-12, 18 Aug 64 (It)

## TETANY

EEG study of tetany and spasmodophilia. Roth B, et al.  
*Electroenceph Clin Neurophysiol* 17:36-45, Jul 64  
Neonatal tetany secondary to maternal hyperparathyroidism. Mizrahi A, et al.  
*JAMA* 190:155-6, 12 Oct 64  
[Muscle tonus. Physiological and physiopathological aspects. II. The neurologist in relation to muscle tonus] Mamo H, et al.  
*Presse Med* 72:2213-8 concl, 19 Sep 64 (Fr)

## TETRACYCLINE

Fluorescent test for skin malignancy. Burrows D.  
*Arch Derm (Chicago)* 90:411, Oct 64  
Activity of ampicillin in vitro compared with other antibiotics. Sutherland R, et al.  
*J Clin Path* 17:461-5, Jul 64  
Discoloration of primary dentition after maternal tetracycline ingestion in pregnancy. Swallow JN.  
*Lancet* 2:611-2, 19 Sep 64

## TETRAETHYLAMMONIUM COMPOUNDS

The positive inotropic activity of tetraethylammonium ions and their effect on radiocalcium movement.  
Nayler WG, et al.  
*J Pharmacol Exp Ther* 144:116-23, Apr 64

## TETRALOLOGY OF FALLOT

Angiocardiographic measurements in congenital heart disease in infancy and childhood. II. Size of left atrium. Arvidsson H.  
*Acta Radiol [Diagn] (Stockholm)* 2:353-64, Jul 64  
Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. Popper RW, et al.  
*Amer Heart J* 68:32-7, Jul 64  
Surgical aspects of heart disease in infants under the age of two years. Gerbode F, et al.  
*Amer J Surg* 108:224-32, Aug 64  
Finger-print patterns in congenital heart disease. Sánchez Cascos A. *Brit Heart J* 26:524-7, Jul 64  
Tetralogy of Fallot with aortic origin of the left pulmonary artery: radiographic and angiocardiographic considerations. Report of a case. Czarnecki SW, et al. *Dis Chest* 46:97-101, Jul 64  
Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Bernhard WF, et al. *Surg Forum* 15:197-8, 1964  
Diagnostic cineangiography. Rowe GG, et al. *Vasc Dis* 1:45-53, Jan 64

## TETRAZOLIUM SALTS

Triphenyltetrazolium reduction by uterine tissue of rats. Schultze AB.  
*Proc Soc Exp Biol Med* 116:653-5, Jul 64

## THALAMUS

Physiological identification of the thalamic nucleus. Yoshida M, et al.  
*Arch Neurol (Chicago)* 11:435-43, Oct 64  
Ventrolateral and subventrolateral thalamic stimulation. Motor effects. Ohye C, et al.  
*Arch Neurol (Chicago)* 11:427-34, Oct 64  
Electroencephalographic waves with voluntary movement. Study in the rat. Vanderwolf CH, et al.  
*Arch Neurol (Chicago)* 11:379-84, Oct 64  
Micro-electrode studies of experimental 3/sec wave and spike in the cat. Pollen DA, et al.  
*Electroenceph Clin Neurophysiol* 17:57-67, Jul 64  
Subthalamotomy in treatment of parkinsonian tremor. Andy OJ, et al. *J Neurosurg* 20:860-70, Oct 63  
Electrocardiographic observation simultaneously with stimulation of thalamus and globus pallidus and thalamic coagulation. (Is there a neurocardiac relationship to the thalamus and globus pallidus?). Davie JC. *J Neurosurg* 20:387-9, May 63  
Thalamic inhibition of the myotatic reflex in man. Ward AA Jr, et al. *J Neurosurg* 20:1033-9, Dec 63  
Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation. Bernstein PW, et al.  
*J Neurosurg* 21:687-98, Aug 64

## THALASSEMIA

Erythrocytic anomalies in hereditary vitreo-retinal degeneration (degeneratio hyaloideoretinalis). Kahan A, et al. *Brit J Ophthalmol* 47:620-31, Oct 63  
Studies on testosterone metabolism. I. Conversion of

testosterone-17-alpha-3H to 5-alpha- and 5-beta-androstane-3-alpha, 17-beta-deol-17-alpha-3H: a new "17-beta-hydroxyl pathway". Baulieu EE, et al. *J Biol Chem* 239:1569-77, May 64  
Genetic control of hemoglobin A2 synthesis: an unusual hereditary pattern in a family with thalassemia trait. Lee GR, et al. *J Lab Clin Med* 64:72-8, Jul 64  
Further data on the frequency of increased erythrocyte osmotic resistance in the Maltese Islands. Vella F.  
*Trop Geogr Med* 16:109-14, Jun 64

## THALIDOMIDE

Ocular defects in thalidomide babies. Cullen JF. *Brit J Ophthalmol* 48:151-3, Mar 64  
Effects of thalidomide on pregnancy in the rabbit. Hay MF. *J Reprod Fertil* 8:59-76, Aug 64  
Autoradiographic investigations of 14-C-labelled thalidomide and glutethimide in pregnant mice. Koransky W, et al.  
*Proc Soc Exp Biol Med* 116:512-6, Jun 64

## THALLIUM

The determination of thallium in organs and body fluids by a flame spectrophotometric method. Wilson WJ Jr, et al. *J Lab Clin Med* 64:154-9, Jul 64

## THERAPEUTICS

Total medical treatment: report of a five-year study. Meyer J, et al. *Amer J Psychiat* 121:129-35, Aug 64

## THIABENDAZOLE

Creeping eruption and thiabendazole. In vitro studies. Hitch JM. *Arch Derm (Chicago)* 90:418-20, Oct 64

## THIAMINE

Pyruvate fermentation by *Streptococcus faecalis*. Deibel RH, et al. *J Bact* 88:4-10, Jul 64  
Studies of thiamine metabolism in the rat. I. Metabolic products found in urine. Neal RA, et al.  
*J Nutr* 83:343-50, Aug 64  
Studies of thiamine metabolism in the rat. II. Isolation and identification of 2-methyl-4-amino-5-pyrimidinecarboxylic acid as a metabolite of thiamine in rat urine. Neal RA, et al.  
*J Nutr* 83:351-7, Aug 64  
The treatment of cerebrovascular insufficiency by intravenous procaine and antihistamine compound. Rosner S. *Vasc Dis* 1:214-5, Jul 64

## THIAZOLES

Potentiality of the anti-leukemic effects of 2-aminothiadiazole by isonicotinamide and derivatives. Oettgen HF, et al.  
*Cancer Res* 24:689-92, May 64

## THIETHYLPERAZINE

Vestibular mechanism, motion sickness, and drug therapy. Experimental and clinical evaluations. Rubin W. *Arch Otolaryng (Chicago)* 80:431-9, Oct 64  
Thiethylperazine in the management of postoperative nausea and vomiting. Paddock RB.  
*J Int Coll Surg* 42:387-95, Oct 64

## THINKING

Mental arithmetic and blocking of the occipital alpha rhythm. Glass A.  
*Electroenceph Clin Neurophysiol* 16:595-603, Jun 64

## THIOCYANATES

The effect of intermittent administration of alpha-naphthyl isothiocyanate to rats. Moran E, et al.  
*Amer J Path* 44:947-60, Jun 64

## THIOPENTAL

Effect of central nervous system lesions on barbiturate sleeping time in the rat. Harvey JA, et al.  
*J Pharmacol Exp Ther* 144:24-36, Apr 64

## THIOPROPERAZINE

Thiopropazine-induced lactation. Mendels J.  
*Amer J Psychiat* 121:190-1, Aug 64

## THIORIDAZINE

Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. *Curr Ther Res* 6:331-9, May 64  
Specific value of drugs in psychiatric illness. Ostow M. *JAMA* 190:557-8, 9 Nov 64  
An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. *Proc Roy Soc Med* 57:758-62, Aug 64

## THIOSULFATES

Effect on kidney S35O4 uptake of compounds related to SO4 transport and metabolism. Deyrup IJ.  
*Amer J Physiol* 207:84-8, Jul 64  
Mercuric cyanide poisoning and its treatment in dogs. Rose CL, et al.  
*Proc Soc Exp Biol Med* 116:371-3, Jun 64

## THIO-TEPA

The combined thiotepa and testosterone treatment of cancer of the breast. Brown IS, et al.  
*Brit J Cancer* 18:238-46, Jun 64  
Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. Rutman RJ. *Cancer Res* 24:634-8, May 64  
Influence of alkylating agents on kidney erythropoietin production. Fisher JW, et al.  
*Cancer Res* 24:983-8, Jul 64  
[Palliative treatment of cancers with thio-TEPA. Study of 115 cases. Value in breast cancers] Lagarde C, et al.  
*Presse Med* 72:2285-90, 23 Sep 64 (Fr)

## THIOURACIL

Effects of thiouracil and of thyroidectomy of liver protein metabolism. Yatvin MB, et al.  
*Endocrinology* 74:878-84, Jun 64  
Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Ishai R, et al. *J Bact* 87:1436-42, Jun 64

## THIRST

Dose response to carbachol and norepinephrine in rat hypothalamus. Miller NE, et al.  
*Amer J Physiol* 206:1384-8, Jun 64  
Acute water-intoxication from compulsive water-drinking. Bewley TH.  
*Brit Med J* 5413:864, 3 Oct 64

## THORACIC ARTERIES

Prevention of spinal cord ischemia incident to extensive mobilization of the thoracic aorta from the posterior parietes. Edwards RH, et al.  
*Surg Forum* 15:285-7, 1964

## THORACIC DISEASES

Specialty of chest medicine. Heaf F.  
*Brit Med J* 5418:1196, 7 Nov 64  
The specialty of chest medicine. Oswald NC.  
*Brit Med J* 5414:935-9, 10 Oct 64

## THORACIC DUCT

Studies and clinical observations of infusion of anti-cancerous agents into lymph vessel system. Kitagawa S, et al. *J Int Coll Surg* 42:358-9, Oct 64  
Short-term phytohaemagglutinin culture on human thoracic-duct lymphocytes. Lindahl-Kiessling K. *Lancet* 2:862-3, 17 Oct 64  
Lethal factor in thoracic duct lymph following superior mesenteric artery ligation. Tice DA, et al.  
*Surg Forum* 15:86-8, 1964  
[Preliminary results of the study of the kinetics of the distal portion of the thoracic duct in the living human. Favorable action of morphine] Lachapele AP, et al. *Presse Med* 72:2133-4, 12 Sep 64 (Fr)  
[Thromboses of the deep veins of the left upper extremity] Néel JL, et al.  
*Presse Med* 72:2373-6, 3 Oct 64 (Fr)

## THORACIC INJURIES

Innominate arterial aneurysms occurring after blunt trauma. Heggveit HA, et al.  
*Amer J Clin Path* 42:69-74, Jul 64  
Artificial ventilation of the lungs in combined head and chest injuries. Robinson JS, et al.  
*Lancet* 2:912, 24 Oct 64

## THORACIC NEOPLASMS

Superior pulmonary sulcus tumor with classical Pancoast syndrome: case report. Mihaly JP, et al.  
*J Amer Geriatr Soc* 12:800-6, Aug 64

## THORACIC RADIOGRAPHY

Rib notching. *Brit Med J* 5418:1152, 7 Nov 64  
Roentgen diagnosis of congenital absence of pectoralis muscles. Stein HL. *Radiology* 83:63-6, Jul 64  
The radiological spectrum of aging and emphysematous lungs. Mori PA, et al. *Radiology* 83:48-57, Jul 64  
Roentgenographic clues to the cardiac hemodynamics of aortic stenosis. Rockoff SD, et al.  
*Radiology* 83:58-62, Jul 64



## THORACIC VERTEBRAE

- Segmental vertebrolysis. Tsvivan YL. *J Int Coll Surg* 42:404-7, Oct 64  
 Vertebral hemangioma with compression of the spinal cord. Reeves DL. *J Neurosurg* 21:710-2, Aug 64  
 Prolapsed calcified thoracic intervertebral disc. Taylor TK, et al. *J Path Bact* 88:153-7, Jul 64  
 Thoracic spine fracture with paralysis. Aufranc OE, et al. *JAMA* 189:1018-21, 28 Sep 64

## THORACOPLASTY

- Use of collagen cloth for repair of tissue defects. McBride CM, et al. *Surg Forum* 15:70-1, 1964

## THORAX

- Xiphopagus conjoined twins: preoperative evaluation and surgical management. Woolley MM, et al. *Amer J Surg* 108:277-84, Aug 64  
 Relative contributions of the rib cage and the diaphragm to ventilation in man. Bergofsky EH. *J Appl Physiol* 19:698-706, Jul 64  
 Partitioning of respiratory flow resistance in man. Ferris BG Jr, et al. *J Appl Physiol* 19:653-8, Jul 64

## THORIUM DIOXIDE

- Lethal factor in thoracic duct lymph following superior mesenteric artery ligation. Tlce DA, et al. *Surg Forum* 15:86-8, 1964  
 The relative toxicity of angiographic contrast media. Foster JH, et al. *Vasc Dis* 1:8-20, Jan 64  
 A radiographic evaluation of angiographic contrast media. Twigg HL, et al. *Vasc Dis* 1:54-7, Jan 64

## THREONINE

- Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64  
 Inotropic activity of a series of amino acids. Gatgounis J, et al. *Proc Soc Exp Biol Med* 116:430-4, Jun 64

## THROMBIN

- Lipids of human platelets and their action on the blood coagulation process. Woodside EE, et al. *Blood* 24:76-91, Jul 64  
 Production of the generalized Shwartzman reaction in pregnant rats by intravenous infusion of thrombin. Margaretten W, et al. *Lab Invest* 13:552-9, Jun 64

## THROMBOANGIITIS OBLITERANS

- Buerger's disease. Kamiya K. *Vasc Dis* 1:186-202, Jul 64  
 Buerger's disease: an electromyographic study. Kozák PA, et al. *Vasc Dis* 1:77-82, Mar 64  
 Thromboangiitis obliterans: with special reference to coagulation and clot lysis. Ende N. *Vasc Dis* 1:83-8, Mar 64  
 [Constitutional arterial exiguity: a probable factor in thrombo-arteriosclerosis of the Buerger type] Wertheimer P, et al. *Presse Med* 72:2259-64, 23 Sep 64 (Fr)

## THROMBOCYTOPATHY

- Von Willebrand's disease. *Brit Med J* 5415:963, 17 Oct 64  
 Intensive plasma therapy in the hemophilias. Roberts HR, et al. *JAMA* 190:546-8, 9 Nov 64

## THROMBOEMBOLISM

- Anticoagulants: another view. McMichael J. *Brit Med J* 5415:1007, 17 Oct 64  
 Thromboembolic complications of rheumatic fever in childhood. Streeper RB. *Dis Chest* 46:81-5, Jul 64  
 Plasma-fibrinogen levels after long-term warfarin therapy. Nakamura RM, et al. *Lancet* 2:821-2, 10 Oct 64

## THROMBOPENIA

- Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. Hutchison HE, et al. *Brit Med J* 5417:1099-103, 31 Oct 64  
 Giant haemangioma with thrombocytopenia. Duncan W, et al. *Clin Radiol* 15:224-31, Jul 64  
 Thrombocytopenia and megaloblastic anaemia of pregnancy. Jenkins GC, et al. *J Obstet Gynaec Brit Comm* 71:809-14, Aug 64  
 Dengue fever: a thrombocytopenic disease? Nelson ER, et al. *JAMA* 190:99-103, 12 Oct 64  
 Benzene and leukemia. Vigilani EC, et al. *New Eng J Med* 271:872-6, 22 Oct 64  
 [Animal experimental studies on the problem of arsenamine thrombopenia] Däppen U, et al. *Int Arch Allerg* 24:Suppl:9-12, 1964 (Ger)

## THROMBOPHLEBITIS

- Renal vein thrombosis in infancy. Recovery without

- nephrectomy. Stark H. *Amer J Dis Child* 108:430-5, Oct 64  
 Paradoxical embolism. Corrin B. *Brit Heart J* 26:549-53, Jul 64  
 The "pill" and thrombosis. *Brit Med J* 541:1089700, 31 Oct 64  
 Thromboembolic complications of rheumatic fever in childhood. Streeper RB. *Dis Chest* 46:81-5, Jul 64  
 Postoperative prophylactic anticoagulants in gynaecology. A ten-year study. Bottomley JE, et al. *Lancet* 2:835-8, 17 Oct 64  
 The differential diagnosis of deep thrombophlebitis and herniated lumbar intervertebral disk. Knox EW. *Vasc Dis* 1:94-5, Mar 64  
 Thromboangiitis obliterans: with special reference to coagulation and clot lysis. Ende N. *Vasc Dis* 1:83-8, Mar 64  
 Pitfalls in the thrombolytic treatment of venous occlusion. Amery A, et al. *Vasc Dis* 1:89-93, Mar 64  
 [Puerperal thromboses of the superior longitudinal sinus. (2 cases)] Pailias JA, et al. *Presse Med* 72:2265-8, 23 Sep 64 (Fr)  
 [Thromboses of the deep veins of the left upper extremity] Néel JL, et al. *Presse Med* 72:2373-6, 3 Oct 64 (Fr)

## THROMBOPLASTIN

- Massive hemorrhage--scalps of newborn infants. Kozinn PJ, et al. *Amer J Dis Child* 108:413-7, Oct 64

## THROMBOSIS

- Is the vitamin B 12 treatment of pernicious anemia a predisposing factor for thromboses in aged patients? Klemetti L. *Acta Med Scand* 178:121-2, Jul 64  
 False signs of thrombosis in lower leg phlebography. Almén T, et al. *Acta Radiol [Diagn] (Stockholm)* 2:345-52, Jul 64  
 Electron microscopy of hypersensitivity reactions. Intravascular antigen-antibody precipitation in acute anaphylactic shock. Sabesin SM. *Amer J Path* 44:889-904, Jun 64  
 Rheologic approach to thrombosis and atherosclerosis. Dintenfuss L. *Angiology* 15:333-43, Aug 64  
 Retinal phlebitis and sinus disease. Hauer Y, et al. *Brit J Ophthal* 47:353-6, Jun 63  
 Renal ischaemia due to thrombosis of renal artery resulting from metastases from primary carcinoma of the bronchus. Jennings RC, et al. *Brit Med J* 5418:1053-4, 24 Oct 64  
 Complications of arterial puncture. Nicholls JC. *Brit Med J* 5413:877, 3 Oct 64  
 Pathological findings in homocystinuria. Gibson JB, et al. *J Clin Path* 17:427-37, Jul 64  
 Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51-1964. *New Eng J Med* 271:837-45, 15 Oct 64  
 Isolated annulus: a method for the evaluation of intracardiac prosthetic thrombosis. Tarnay TJ, et al. *Surg Forum* 15:268-9, 1964  
 In vivo evaluation of clot lysis. Silver D, et al. *Surg Forum* 15:237-8, 1964  
 [Cardiological emergencies in childhood] Heintzen P. *Deutsch Med Woch* 89:1477-82, 31 Jul 64 (Ger)

## THUMB

- Ring-finger pollicization, with transplantation of nail bed and matrix on a volar flap. Butler B Jr. *J Bone Joint Surg [Amer]* 46:1069-76, Jul 64  
 Reconstruction of congenital aplasia of radial component. Entin MA. *Surg Clin N Amer* 44:1091-105, Aug 64

## THYMECTOMY

- Thymectomy in an infant with autoimmune haemolytic anaemia. Karaklis A, et al. *Lancet* 2:778-80, 10 Oct 64  
 Bacterial infection and wasting in neonatally thymectomized rats. Azar HA. *Proc Soc Exp Biol Med* 116:817-23, Jul 64  
 Influence of thymectomy on tumor induction by polyoma virus in C57BL mice. Miller JF. *Proc Soc Exp Biol Med* 116:323-7, Jun 64  
 Growth of heterologous tumor in thymectomized rats. Jones RF. *Surg Forum* 15:364-5, 1964  
 Neonatal thymectomy in the dog. Tilney NL, et al. *Surg Forum* 15:123-4, 1964

## THYMIDINE

- Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. Rubini JR, et al. *Cancer Res* 24:655-61, May 64  
 Cell turnover in the respiratory tract. Shorter RG, et al. *Dis Chest* 46:138-42, Aug 64  
 The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. Crane WA, et al. *J Path Bact* 88:291-301, Jul 64  
 Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic

- systems in vitro. Woolfrey BF. *Lab Invest* 13:581-6, Jun 64  
 In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. Nielsen NO, et al. *Proc Soc Exp Biol Med* 116:498-501, Jun 64

## THYMIDINE KINASE

- End-product inhibition of thymidine kinase activity in normal and leukemic human leukocytes. Bresnick E, et al. *Cancer Res* 24:841-6, Jun 64

## THYMOMA

- Damage to the thymus and other lymphoid tissues from 3-methylcholanthrene, and subsequent thymoma production, in mice. Yasuhira K. *Cancer Res* 24:558-69, May 64  
 Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64  
 Pneumo-mediastinography by the trans-sternal method. Kreel L, et al. *Clin Radiol* 15:219-23, Jul 64  
 Large thymoma associated with bronchogenic carcinoma. Report of a case. Gerard AG, et al. *Dis Chest* 46:238-40, Aug 64

## THYMUS GLAND

- Damage to the thymus and other lymphoid tissues from 3-methylcholanthrene, and subsequent thymoma production, in mice. Yasuhira K. *Cancer Res* 24:558-69, May 64  
 Pneumo-mediastinography by the trans-sternal method. Kreel L, et al. *Clin Radiol* 15:219-23, Jul 64  
 Corticosteroid action on the fetal thymus and spleen. Angervall L, et al. *Endocrinology* 74:986-9, Jun 64  
 Effects of cortisol on the metabolism of glucose by lymphoid tissue. Blecher M. *J Biol Chem* 239:1299-300, May 64  
 Electron microscopy of the thymus lesions in NZB mice. Abbot A, et al. *J Path Bact* 88:243-5, Jul 64  
 Thymic changes in the mouse strain NZB in relation to the auto-immune state. Burnet FM, et al. *J Path Bact* 88:229-41, Jul 64  
 The thymus in thyroid disease. Gunn A, et al. *Lancet* 2:776-8, 10 Oct 64  
 Bacterial infection and wasting in neonatally thymectomized rats. Azar HA. *Proc Soc Exp Biol Med* 116:817-23, Jul 64  
 Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. Lerner LJ, et al. *Proc Soc Exp Biol Med* 116:385-8, Jun 64  
 Distribution of tritium labeled thymocytes in newborn mice. Ebert PA, et al. *Surg Forum* 15:125-6, 1964

## THYMUS NEOPLASMS

- Tumors occurring in newborn mice after inoculation of human cancer material. Moore AE, et al. *Cancer Res* 24:765-9, Jun 64  
 Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64

## THYROGLOBULIN

- Metabolism of thyroglobulin-I-131 in the guinea pig in vivo and in vitro. Gilboa Y, et al. *Metabolism* 13:661-8, Jul 64  
 Thyroglobulin antibody activity in the gamma-globulins gamma-A, gamma-B and gamma-C of human serum. Lichter EA. *Proc Soc Exp Biol Med* 116:555-7, Jul 64

## THYROID ANTAGONISTS

- Effect of methimazole upon thyroid clearance of circulating iodide. Rosenberg IN, et al. *Endocrinology* 75:89-96, Jul 64  
 [Exploration of the hypophyso-thyroid couple by the use of an imidazole derivative. Apropos of 25 personal cases] Bricaire H, et al. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)

## THYROID DISEASES

- Radioactive iodine and surgery of the thyroid. Friedell MT. *J Amer Geriatr Soc* 12:737-48, Aug 64  
 The cardiovascular system in thyroid malfunction. Mead J. *J Amer Geriatr Soc* 12:776-86, Aug 64

## THYROID FUNCTION TESTS

- The binding of 131-I-triiodothyronine by serum proteins as an in vitro test of thyroid function. Cuarón A, et al. *Acta Endocr (Copenhagen)* 46:161-9, Jun 64  
 Diagnostic value of 131-I in thyroid disorders. A study of 649 patients. Dyrbye MO, et al. *Acta Med Scand* 178:91-101, Jul 64



Determination of the free thyroxine content of serum. Lee ND, et al. *J Clin Endocr* 24:486-95, Jun 64  
Clinical trial of modified gamma camera for thyroid scanning. Thomson JA, et al. *Lancet* 2:714-6, 3 Oct 64  
The effect of total fasting on thyroid function in man. Alexander WD, et al. *Metabolism* 13:587-90, Jul 64  
The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine. Levy RP, et al. *Metabolism* 13:557-61, Jun 64  
[The Achilles reflexogram in thyroid disorders and in electrolyte metabolism disorders] Kissel P, et al. *Presse Med* 72:2201-4, 19 Sep 64 (Fr)

## THYROID GLAND

Preservation of volatile anesthetics in blood and tissue. Lowe HJ. *Anesthesiology* 25:566-8, Jul-Aug 64  
Thyroidal iodine heterogeneity: "last come, first served" system of iodine turnover. Schneider PB. *Endocrinology* 74:973-80, Jun 64  
Effect of emotional stress and TSH on thyroid vein hormone level in sheep with exteriorized thyroids. Falconer IR, et al. *Endocrinology* 75:42-8, Jul 64  
Effect of methimazole upon thyroid clearance of circulating iodide. Rosenberg IN, et al. *Endocrinology* 75:89-96, Jul 64  
Determination of organ volumes by scintillation scanning. Spencer RP. *J Nucl Med* 5:444-52, Jun 64  
Reduction of gamma globulin with long-acting thyroid-stimulating activity. Dorrington KJ, et al. *Lancet* 2:889-91, 24 Oct 64  
Alpha- and beta-d galactosidase activity of rat thyroid and spleen. A quantitative study. Monis B, et al. *Proc Soc Exp Biol Med* 116:580-2, Jul 64  
Immunologic inhibition of endogenous or exogenous thyrotropin in various species. Garcia AM, et al. *Proc Soc Exp Biol Med* 116:467-71, Jun 64  
Amino acid transport by rat parathyroid glands in vivo: effect of low calcium diet. Williams GA, et al. *Proc Soc Exp Biol Med* 116:651-3, Jul 64

## THYROID HORMONES

Nature of the 131-I-compounds released into the thyroid veins of rabbits, dogs and cats, before and after TSH administration. Taugog A, et al. *Endocrinology* 74:902-13, Jun 64  
Thyroxine and antithyrotropic effects in the chick. Westerfeld WW, et al. *J Nutr* 83:325-31, Aug 64  
An antithyrotropic assay based upon the response of rat liver alpha-glycerophosphate dehydrogenase. Richert DA, et al. *J Nutr* 83:332-42, Aug 64

## THYROID NEOPLASMS

Changing management of carcinoma of the thyroid. Hill LD, et al. *Amer J Surg* 108:176-82, Aug 64  
Thyroid nodules and cancer. Brit Med J 5416:1022, 24 Oct 64  
Effect of thyroidectomy with and without thyroxine replacement on transplantable thyroid tumors in rats. Sisson JC, et al. *Endocrinology* 74:925-9, Jun 64  
Radioactive iodine and surgery of the thyroid. Friedell MT. *J Amer Geriatr Soc* 12:737-48, Aug 64  
Carcinoma of the thyroid in myxoedema. Sclare G, et al. *J Clin Path* 17:438-43, Jul 64  
Cancer of the head and neck in children. Sutow WW. *JAMA* 190:414-8, 2 Nov 64  
Development of carcinoma of the thyroid in mice. Schaller RT Jr, et al. *Surg Forum* 15:354-5, 1964

## THYROIDECTOMY

Effect of thyroidectomy with and without thyroxine replacement on transplantable thyroid tumors in rats. Sisson JC, et al. *Endocrinology* 74:925-9, Jun 64  
Effects of thiouracil and of thyroidectomy of liver protein metabolism. Yatvin MB, et al. *Endocrinology* 74:878-84, Jun 64  
Radioactive iodine and surgery of the thyroid. Friedell MT. *J Amer Geriatr Soc* 12:737-48, Aug 64

## THYROIDITIS

Thyroglobulin antibody activity in the gamma-globulins gamma-A, gamma-B and gamma-C of human serum. Lichter EA. *Proc Soc Exp Biol Med* 116:555-7, Jul 64

## THYROIDITIS, LYMPHOMATOUS

The thymus in thyroid disease. Gunn A, et al. *Lancet* 2:776-8, 10 Oct 64

## THYRONINE

Thyroxine in blood. Sterling K. *Mayo Clin Proc* 39:586-608, Aug 64

## THYROTROPIN

Effect of emotional stress and TSH on thyroid vein

hormone level in sheep with exteriorized thyroids. Falconer IR, et al. *Endocrinology* 75:42-8, Jul 64  
Studies with mouse pituitary thyrotropic tumors. 8. Werner SC, et al. *Endocrinology* 75:66-77, Jul 64  
Nature of the 131-I-compounds released into the thyroid veins of rabbits, dogs and cats, before and after TSH administration. Taugog A, et al. *Endocrinology* 74:902-13, Jun 64  
Influence of dried -grass silage and silage fractions on the basal metabolic rate of rats. McLaren GA, et al. *J Nutr* 83:218-24, Jul 64  
Generalized allergic reaction to bovine throtropin. Sherman WB, et al. *JAMA* 190:244-5, 19 Sep 64  
Immunologic inhibition of endogenous or exogenous thyrotropin in various species. Garcia AM, et al. *Proc Soc Exp Biol Med* 116:467-71, Jun 64  
Specific immunoprecipitation of mouse thyrotropins in plasma and thyrotropic tumor extracts. Moy P, et al. *Proc Soc Exp Biol Med* 116:643-6, Jul 64  
[Exploration of the hypophyso-thyroid couple by the use of an imidazole derivative. Apropos of 25 personal cases] Bricaire H, et al. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)

## THYROXINE

Hormonal effects on metabolism and distribution of plasma albumin in the dog. Takeda Y. *Amer J Physiol* 206:1229-36, Jun 64  
Hormonal effects on distribution and excretion of iodide-I-131 in the dog. Takeda Y. *Amer J Physiol* 206:1237-43, Jun 64  
Influence of anterior pituitary on avoidance learning and escape behavior. De Wied D. *Amer J Physiol* 207:255-9, Jul 64  
To-day's drugs. Agents for lowering serum cholesterol. Brit Med J 5418:1181-3, 7 Nov 64  
Metabolic response of isolated lizard tissues to thyroxine administered in vivo. Maher MJ. *Endocrinology* 74:994-5, Jun 64  
Studies with mouse pituitary thyrotropic tumors. 8. Werner SC, et al. *Endocrinology* 75:66-77, Jul 64  
Effect of thyroidectomy with and without thyroxine replacement on transplantable thyroid tumors in rats. Sisson JC, et al. *Endocrinology* 74:925-9, Jun 64  
Influence of the nursing stimulus upon thyroid hormone secretion in the lactating rat. Grosvenor CE. *Endocrinology* 75:15-21, Jul 64  
Effect of thyroxine on intake and loss of sodium by propylthiouracil-treated rats. Fregly MJ, et al. *Endocrinology* 75:27-32, Jul 64  
Determination of the free thyroxine content of serum. Lee ND, et al. *J Clin Endocr* 24:486-95, Jun 64  
Thyroxine and antithyrotropic effects in the chick. Westerfeld WW, et al. *J Nutr* 83:325-31, Aug 64  
Stereochemistry of thyroxine and analogues. Jorgensen EC. *Mayo Clin Proc* 39:560-8, Aug 64  
Some aspects of metabolism of thyroxine and of analogues devoid of the phenolic group. Barker SB, et al. *Mayo Clin Proc* 39:609-25, Aug 64  
Reminiscences on the isolation of thyroxine. Kendall EC. *Mayo Clin Proc* 39:548-52, Aug 64  
Mode and site of action of thyroxine. Tapley DF. *Mayo Clin Proc* 39:626-36, Aug 64  
Sir Charles Harington and the structure of thyroxine. (Harington CR), et al. *Mayo Clin Proc* 39:553-9, Aug 64  
Physiologic effects of thyroxine in man. Rawson RW. *Mayo Clin Proc* 39:637-53, Aug 64  
Thyroxine in blood. Sterling K. *Mayo Clin Proc* 39:586-608, Aug 64  
The biosynthesis of thyroxine. Taugog A. *Mayo Clin Proc* 39:569-85, Aug 64  
The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine. Levy RP, et al. *Metabolism* 13:557-61, Jun 64  
Immunologic inhibition of endogenous or exogenous thyrotropin in various species. Garcia AM, et al. *Proc Soc Exp Biol Med* 116:467-71, Jun 64  
Plasma protein binding, half-life, and erythrocyte uptake of thyroxine and triiodothyronine in chickens. Heninger RW, et al. *Proc Soc Exp Biol Med* 116:624-8, Jul 64  
Effects of parathyroid extract, calciferol, hytakerol and crystalline dihydrotachysterol on feed consumption in normal lactating rats. Djofosobagio S, et al. *Proc Soc Exp Biol Med* 116:646-8, Jul 64  
Influence of thyroxine on the ribosomal synthesis of collagen. Malt RA, et al. *Surg Forum* 15:54-5, 1964

## TIBIA

The accuracy of orthoroentgenographic measurements. Nordentoft EL. *Acta Orthop Scand* 34:283-8, 1964  
Effect of venous stasis on long bone growth in the dog. Keck SW, et al. *Surg Forum* 15:443-4, 1964

## TIBIAL FRACTURES

Treatment of non-union of fractures of the long bones by the two-plate method. Murray WR, et al. *J Bone Joint Surg [Amer]* 46:1027-48, Jul 64

Alterations in muscle and liver glycogen secondary to fracture. Wray JB. *Metabolism* 13:551-6, Jun 64

## TINEA

[Hyperpigmentation of the mammary areolae and of the external genitalia and synecomastia during treatment with griseofulvin] Durand P, et al. *Minerva Med* 55:2422-5, 18 Aug 64 (It)

## TINNITUS

Kanamycin ototoxicity in healthy men. Sataloff J, et al. *Arch Otolaryng (Chicago)* 80:413-7, Oct 64

## TISSUE ADHESIVES

The use of adhesive surgical tape in plastic surgery. Gibson EW, et al. *Brit J Plast Surg* 17:265-70, Jul 64  
An experimental evaluation of the effect of a plastic adhesive, methyl 2-cyanoacrylate, on neural tissue. Kline DG, et al. *J Neurosurg* 20:647-54, Aug 63  
The use of adhesive tapes for closure of scalp and skin. Otenasek RJ, et al. *J Neurosurg* 20:812-3, Sep 63  
Use of plastic adhesive for reinforcement of a ruptured intracranial aneurysm. Messer HD, et al. *J Neurosurg* 20:360-2, Apr 63  
Experimental evaluation of tissue adhesives in urogenital surgery. Yoho AV, et al. *J Urol* 92:56-9, Jul 64  
Experimental peripheral nerve repair tubulation. Braun RM. *Surg Forum* 15:452-4, 1964  
Non-occlusive small arterial anastomosis with a neodymium laser. Yahr WZ, et al. *Surg Forum* 15:224-6, 1964  
Tissue reactions to methyl 2-cyanoacrylate (Eastman 910 monomer). Weissberg D, et al. *Surg Forum* 15:226-7, 1964

## TISSUE BANKS

Use of dimethyl sulphoxide for preserving corneal tissue. Platts S, et al. *Brit J Ophthal* 47:334-8, Jun 63  
Absorption of human rib cartilage grafts transplanted to rabbits after preservation by different methods. Krüger E. *Brit J Plast Surg* 17:254-64, Jul 64  
Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic systems in vitro. Woolfrey BF. *Lab Invest* 13:581-6, Jun 64  
New freeze-protecting compounds and their screening. Halasz NA, et al. *Surg Forum* 15:214-5, 1964  
Cold preservation of liver for homotransplantation. Brown H, et al. *Surg Forum* 15:215-7, 1964  
Influence of mannitol infusion upon extracorporeal renal storage. Hoffman A, et al. *Surg Forum* 15:500-1, 1964  
Frozen skin autografts protected by dimethyl sulfoxide. Barlyn LW, et al. *Surg Forum* 15:475-7, 1964  
Cryotolerance of superoxygenated human skin explants. Barner HB, et al. *Surg Forum* 15:477-8, 1964

## TISSUE CULTURE

Studies with cultured brown adipose tissue. II. Influence of low temperature on rabies virus infection in bat brown fat. Allen R, et al. *Amer J Hyg* 80:25-32, Jul 64  
Studies with cultured brown adipose tissue. I. Persistence of rabies virus in bat brown fat. Allen R, et al. *Amer J Hyg* 80:11-24, Jul 64  
The uptake of proteins by normal and tumour cells in vitro. Easty GC, et al. *Brit J Cancer* 18:354-67, Jun 64  
Failure of lymphocytes from hypogammaglobulinaemic subjects to transform in culture. Elves MW, et al. *Brit Med J* 5416:1051-2, 24 Oct 64  
Test tube embryo. *Brit Med J* 5413:836, 3 Oct 64  
Prolonged culture of diploid human cells. Miles CP. *Cancer Res* 24:1070-82, Jul 64  
Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64  
In vitro studies on the fate of antigen. 3. The in vitro fate of I-131-HSA in the presence of cells and cell extracts from normal, immune, and tolerant rabbits. Rhodes JM, et al. *Int Arch Allerg* 24:342-55, 1964  
Virus biographies. I. Growth of West Nile and Guaroa viruses in tissue culture. Southam CM, et al. *J Bact* 88:187-99, Jul 64  
Plaque assay procedure for Colorado tick fever virus. Deig EF, et al. *J Bact* 88:43-7, Jul 64  
Isolation of bovine parainfluenza-3 virus in chick embryos. Marshall RG. *J Bact* 88:267-8, Jul 64  
Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. Piraino F, et al. *J Bact* 87:1503-11, Jun 64  
Isolation of bovine parainfluenza-3 virus in chick embryos. Marshall RG. *J Bact* 88:267-8, Jul 64  
Plaque assay procedure for Colorado tick fever virus. Deig EF, et al. *J Bact* 88:43-7, Jul 64  
Virus biographies. I. Growth of West Nile and Guaroa viruses in tissue culture. Southam CM, et al. *J Bact* 88:187-99, Jul 64



Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. Dietrich LS, et al. *J Biol Chem* 239:1653-5, May 64

Evidence for the presence of substances toxic for HeLa cells in the serum and in the dialysis fluid of patients with glomerulonephritis. Henkin RI, et al. *J Lab Clin Med* 64:79-88, Jul 64

Keratin formation in a chemically defined medium. Pullar P. *J Path Bact* 88:203-12, Jul 64

In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. Hirschhorn K, et al. *Lancet* 2:842-3, 17 Oct 64

Antigen-stimulated desoxyribonucleic-acid synthesis in vitro by sensitized mouse macrophages. Rowley D, et al. *Lancet* 2:734-5, 3 Oct 64

Short-term phytohaemagglutinin culture on human thoracic-duct lymphocytes. Lindahl-Kiessling K. *Lancet* 2:862-3, 17 Oct 64

"Immunological organisation" and activity of human peripheral white-blood-cell cultures. Bartfeld H, et al. *Lancet* 2:767-9, 10 Oct 64

Serum albumin supplemented medium for long term cultivation of mammalian fibroblast strains. Todaro GJ, et al. *Proc Soc Exp Biol Med* 116:688-92, Jul 64

Preservation of cell cultures by freezing in liquid nitrogen vapor. Greene AE, et al. *Proc Soc Exp Biol Med* 116:462-7, Jun 64

Quantitative effects of alkyl benzene sulfonate (ABS) on KB cells in tissue culture. Benarde MA, et al. *Proc Soc Exp Biol Med* 116:781-4, Jul 64

The role of RNA in the synthesis of vaccinia virus. Loh PC. *Proc Soc Exp Biol Med* 116:789-92, Jul 64

Variation of alkaline phosphatase activity among cells of inducible and constitutive strains of human fibroblasts. Martin GM. *Proc Soc Exp Biol Med* 116:490-3, Jun 64

Effect of 5-iodo-2'-deoxyuridine on multiplication of Rous sarcoma virus in vitro. Force EE, et al. *Proc Soc Exp Biol Med* 116:803-6, Jul 64

Cytochemistry of inclusion bodies in tissue culture cells infected with rabies virus. Love R, et al. *Proc Soc Exp Biol Med* 116:560-3, Jul 64

Mucopolysaccharide production by fibroblasts derived from human buffy-coat cultures in vitro. Avila L, et al. *Proc Soc Exp Biol Med* 116:641-3, Jul 64

Photosensitization of human cell cultures by demethylchlorotetracycline. Chang TW, et al. *Proc Soc Exp Biol Med* 116:509-12, Jun 64

Action of isoimmune serum on peritoneal cells in vitro. Bennett B, et al. *Proc Soc Exp Biol Med* 116:404-9, Jun 64

A simplified method for the cloning of heteroploid and diploid mammalian cells. Freeman AE, et al. *Proc Soc Exp Biol Med* 116:339-43, Jun 64

Radiation effects on cell cycle dynamics. Hendrickson FR, et al. *Radiology* 83:131-40, Jul 64

[The cultivation of human cancer tissue in tissue culture and determination of its sensitivity towards new cytostatics] Limburg H, et al. *Deutsch Med Wschr* 89:1938-48, 9 Oct 64 (Ger)

## TISSUE EXTRACTS

In vitro studies on the fate of antigen. 3. The in vitro fate of I-131-HSA in the presence of cells and cell extracts from normal, immune, and tolerant rabbits. Rhodes JM, et al. *Int Arch Allerg* 24:342-55, 1964

Studies on the permeability increasing factor (PIF) in skin extracts. Inderbitzin T. *Int Arch Allerg* 24:332-41, 1964

Fibrinolytic activity of human tissues from adult and infant cadavers. Sandberg H, et al. *J Lab Clin Med* 64:99-106, Jul 64

## TISSUE METABOLISM

Effects of cyanide, Qo, and dinitrophenol on renal sodium reabsorption and oxygen consumption. Fujimoto M, et al. *Amer J Physiol* 206:1327-32, Jun 64

Haemodynamics and oxygen consumption of the kidney in post-ischaemic renal failure. Bálint P, et al. *Clin Sci* 26:471-7, Jun 64

Metabolic response of isolated lizard tissues to thyroxine administered in vivo. Maher MJ. *Endocrinology* 74:994-5, Jun 64

Balance and kinetics of anaerobic energy release during strenuous exercise in man. Margaria R, et al. *J Appl Physiol* 19:623-8, Jul 64

Effects of chlorothiazide on working capacity of normal subjects. Danzinger RG, et al. *J Appl Physiol* 19:636-8, Jul 64

Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. Larsson Y, et al. *J Appl Physiol* 19:629-35, Jul 64

Base-line effects on response of stroke volume to leg exercise in the supine position. Frick MH, et al. *J Appl Physiol* 19:639-43, Jul 64

Continuous measurement of ventilatory exchange ratio during exercise. Naimark A, et al. *J Appl Physiol* 19:644-52, Jul 64

Oxydative phosphorylation in aortic homogenates. Wollemann M, et al. *J Atheroscler Res* 4:367-9, Jul-Aug 64

Influence of the physical state of the bacterial cell

membrane upon the rate of respiration. Henneman DH, et al. *J Bact* 87:1274-80, Jun 64

Contractile element work: a major determinant of myocardial oxygen consumption. Britman NA, et al. *J Clin Invest* 43:1397-408, Jul 64

Cardiorespiratory response of very obese subjects to treadmill exercise. Turell DJ, et al. *J Lab Clin Med* 64:107-16, Jul 64

Comparative physiology of oxygen transport in mammals. Bartels H. *Lancet* 2:601-4, 19 Sep 64

Oxygen uptake and cardiovascular response of mice and rabbits administered "hematoporphyrin". Modell J, et al. *Proc Soc Exp Biol Med* 116:395-9, Jun 64

Some antagonistic effects of "hematoporphyrin" and protoporphyrin in mice. Modell J, et al. *Proc Soc Exp Biol Med* 116:399-402, Jun 64

Oxygen consumption during total perfusion with diluted blood at normal and hypothermic temperatures. Ikeda S, et al. *Surg Forum* 15:212-3, 1964

Excess lactate in cyanotic dogs during hyperbaric oxygenation. Zaroff LI, et al. *Surg Forum* 15:202-3, 1964

[Studies on liver circulation during hemorrhagic shock; the relation between liver circulation and cardiac output and oxygen consumption in the internal organs] Yoshida T. *Jap Circ J* 28:704-11, Sep 64 (Jap)

## TISSUE THERAPY

Treatment of experimental hemorrhagic shock in dogs with mitochondria. Hashimoto S, et al. *Surg Forum* 15:10-2, 1964

## TITANIUM

Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. Schroeder HA, et al. *J Nutr* 83:239-50, Jul 64

## TOADS

Comparative immunology. Lymph nodes in the amphibian, *Bufo marinus*. Kent SP, et al. *Proc Soc Exp Biol Med* 116:456-9, Jun 64

## TOBACCO

Effect of tobacco smoke solutions on *Paramecium*. Weiss W, et al. *Arch Environ Health (Chicago)* 9:500-4, Oct 64

The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Boyland E, et al. *Brit J Cancer* 18:265-70, Jun 64

## TOES

Brachydactyly, peculiar facies and mental retardation. Coffin GS. *Amer J Dis Child* 108:351-9, Oct 64

## TOLAZOLINE

Immediate responses of collateral vessels to abrupt arterial occlusion. Roy AJ, et al. *Amer J Physiol* 206:1299-303, Jun 64

Papillitis complicated by central retinal artery occlusion. Abrams JD. *Brit J Ophthal* 47:53, Jan 63

## TOLBUTAMIDE

Effect of tolbutamide in clearing induced alimentary lipaemia after alcoholic hepatopancreatic damage. Gebbie T, et al. *Lancet* 2:661-3, 20 Sep 64

## TOMOGRAPHY

Tomography in atresia of the external auditory meatus. James JA, et al. *Brit J Radiol* 37:511-25, Jul 64

Pneumo-mediastinography by the trans-sternal method. Kreef L, et al. *Clin Radiol* 15:219-23, Jul 64

Axial transverse tomography. Wells A. *Radiography* 30:175-80, Jul 64

A new method for the roentgenologic opacification of the pancreas. Kisseler B, et al. *Radiology* 83:6-11, Jul 64

Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schencker B. *Radiology* 83:12-21, Jul 64

## TONGUE DISEASES

Congenital muscular hypertrophy. An association with increased urinary mucopolysaccharides. Silver HK, et al. *Amer J Dis Child* 108:406-12, Oct 64

Lipidproteinosis (Urbach-Wiethe syndrome). Hewson GE. *Brit J Ophthal* 47:242-5, Apr 63

## TONOMETRY

Intraocular pressure changes during artificial kidney therapy. Sitprija V, et al. *Arch Ophthal (Chicago)* 72:626-31, Nov 64

Comparability of a sample of certified Schiotz

tonometers. With an evaluation of the potential influence of tonometer variability on the outcome of epidemiologic field studies. Schwartz JT, et al. *Arch Ophthal (Chicago)* 72:672-8, Nov 64

Effect of third cranial nerve on intraocular pressure. Thomas RP. *Arch Ophthal (Chicago)* 72:529-34, Oct 64

Intraocular pressure in children measured under general anesthesia. Kornblueth W, et al. *Arch Ophthal (Chicago)* 72:689-90, Oct 64

Episcleral venous pressure in tonography. Leith AB. *Brit J Ophthal* 47:271-8, May 63

## TONSILLECTOMY

A mouth prop holder for tonsillectomy. Thompson RC. *Anesthesiology* 25:569-70, Jul-Aug 64

## TOOTH

Pigmentation of the primary dentition: pathogenesis and diagnostic implications. Ball JS. *Clin Pediat (Phila)* 3:394-404, Jul 64

## TOOTH, DECIDUOUS

Pigmentation of the primary dentition: pathogenesis and diagnostic implications. Ball JS. *Clin Pediat (Phila)* 3:394-404, Jul 64

Discoloration of primary dentition after maternal tetracycline ingestion in pregnancy. Swallow JN. *Lancet* 2:611-2, 19 Sep 64

## TOOTH DISCOLORATION

Pigmentation of the primary dentition: pathogenesis and diagnostic implications. Ball JS. *Clin Pediat (Phila)* 3:394-404, Jul 64

Discoloration of primary dentition after maternal tetracycline ingestion in pregnancy. Swallow JN. *Lancet* 2:611-2, 19 Sep 64

## TOOTH ERUPTION

Effect of cortisone, amputation, and food restriction on growth of rat maxillary incisors. Wellband WA, et al. *Proc Soc Exp Biol Med* 116:718-20, Jul 64

## TOOTH PERMEABILITY

Tooth pulp tissue pressure and hydraulic permeability. Brown AC, et al. *Circ Res* 15:42-50, Jul 64

## TOXICOLOGY

Careers in pharmaceutical and toxicologic pathology. Culbertson CG. *Lab Invest* 13:658-62, Jun 64

## TOXINS AND ANTITOXINS

Toxin production of faecal strains of *Clostridium welchii*. Price DJ, et al. *Brit Med J* 5418:1176-7, 7 Nov 64

Purification and molecular weight determination of *Clostridium botulinum* type E toxin. Gerwing J, et al. *J Bact* 88:216-9, Jul 64

Evidence for the presence of substances toxic for HeLa cells in the serum and in the dialysis fluid of patients with glomerulonephritis. Henkin RI, et al. *J Lab Clin Med* 64:79-88, Jul 64

The effect on animal erythrocytes of combinations of diffusible substances produced by bacteria. Fraser G. *J Path Bact* 88:43-53, Jul 64

Acute liver injury in ducklings as a result of aflatoxin poisoning. Butler WH. *J Path Bact* 88:189-96, Jul 64

EEG after intracerebroventricular tetrodotoxin in cats. Rech RH, et al. *Proc Soc Exp Biol Med* 116:434-7, Jun 64

Lethal factor in thoracic duct lymph following superior mesenteric artery ligation. Tice DA, et al. *Surg Forum* 15:86-8, 1964

## TOXOPLASMA

Evaluation of immunofluorescent and direct agglutination methods for detection of specific toxoplasma antibodies. Fulton JD, et al. *Brit Med J* 5418:1173-5, 7 Nov 64

## TOXOPLASMOSIS

Evaluation of immunofluorescent and direct agglutination methods for detection of specific toxoplasma antibodies. Fulton JD, et al. *Brit Med J* 5418:1173-5, 7 Nov 64

Myocardial toxoplasmosis. Ward R, et al. *Lancet* 2:723-5, 3 Oct 64

The use of formalin-preserved human erythrocytes in the toxoplasm haemagglutination test. Smit GL. *Trop Geogr Med* 16:152-8, Jun 64

[A serological method of diagnosis of toxoplasmosis: agglutination of sensitized bentonite particles] Garin JP, et al. *Presse Med* 72:2317-20, 26 Sep 64 (Fr)



## TOXOPLASMOSIS, ANIMAL

Prevalence of toxoplasmosis in wild animals from Fort Stewart, Georgia, as indicated by serological tests and mouse inoculation. Walton BC, et al.  
*Amer J Trop Med* 13:530-3, Jul 64

## TOXOPLASMOSIS, OCULAR

Ocular toxoplasmosis. Hogan MJ, et al.  
*Arch Ophthalmol* (Chicago) 72:592-600, Nov 64

## TRACHEA

Cell turnover in the respiratory tract. Shorter RG, et al.  
*Dis Chest* 46:138-42, Aug 64

## TRACHEAL STENOSIS

Congenital stenosis of the trachea. Cantrell JR, et al.  
*Amer J Surg* 108:297-305, Aug 64

## TRACHEOSTOMY

Pathology of low tracheostomy in children. Tepiltz C, et al.  
*Amer J Clin Path* 42:58-63, Jul 64  
Emergency tracheostomy in hemophilia. Unfug HV.  
*JAMA* 190:551-2, 9 Nov 64

## TRACHEOTOMY

New type of tube for tracheotomy with inflatable cuff and inner cannula. Jackson FE.  
*J Neurosurg* 20:809, Sep 63

## TRACHOMA

Refraction anomalies in Tanganyikan children.  
Johnstone WW, et al. *Brit J Ophthalmol* 47:95-108, Feb 63  
Attempted treatment of trachoma with idoxuridine.  
Sowa S, et al. *Brit Med J* 5415:989, 17 Oct 64

## TRANQUILIZING AGENTS

Evaluation of a new phenothiazine derivative in the treatment of schizophrenia. Gerz HO.  
*Amer J Psychiat* 121:174-6, Aug 64  
Clinical trial of a potentiated diketopiperazine derivative as a psychopharmacological agent for the treatment of psychotic patients. Gerson IM, et al.  
*Amer J Psychiat* 121:179-81, Aug 64  
Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. *Curr Ther Res* 6:331-9, May 64  
Some cardiovascular actions of benzquinamide.  
Scriabine A, et al.  
*J Pharmacol Exp Ther* 144:131-7, Apr 64  
DRUG EFFECTS ON EPINEPRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. Greenberg R, et al.  
*Proc Soc Exp Biol Med* 116:705-12, Jul 64  
[Present status of the treatment of Parkinson's disease] Auquier L, et al.  
*Presse Med* 72:2531-4, 17 Oct 64 (Fr)

## TRANSFERASES

Histochemistry of the retina in the alloxan-diabetic rat.  
Newell FW, et al. *Brit J Ophthalmol* 47:596-600, Oct 63  
Effect of stress on glycogen and phosphorylase in the rat anterior pituitary. Jacobowitz D, et al.  
*Endocrinology* 75:86-8, Jul 64  
Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Israel R, et al. *J Bact* 87:1436-42, Jun 64  
Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. Taylor WH, et al. *J Bact* 88:99-104, Jul 64  
Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Israel R, et al. *J Bact* 87:1436-42, Jun 64  
Pseudofeedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. McCollister RJ, et al.  
*J Biol Chem* 239:1560-3, May 64  
Biosynthesis of methionine in *Saccharomyces cerevisiae*. Partial purification and properties of s-adenosylmethionine: homocysteine methyltransferase. Shapiro SK, et al.  
*J Biol Chem* 239:1551-6, May 64  
S-adenosylmethionine in skin. Bamshad J, et al.  
*J Invest Derm* 43:115-7, Aug 64  
Catechol O-methyl transferase in skin. Bamshad J, et al.  
*J Invest Derm* 43:111-3, Aug 64  
Bilirubin glucuronyl transferase activity in liver disease. Metge WR, et al.  
*J Lab Clin Med* 64:89-98, Jul 64  
Glucuronosyl transferase activity in livers of rat, dog, and sheep. Ellis LC, et al.  
*Proc Soc Exp Biol Med* 116:613-7, Jul 64  
Cold preservation of liver for homotransplantation.  
Brown H, et al. *Surg Forum* 15:215-7, 1964

## TRANSFERRIN

Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. Bornside GH, et al. *J Bact* 87:1443-51, Jun 64  
Effect of endotoxin upon total iron-binding capacity of the serum. Kampschmidt RF, et al.  
*Proc Soc Exp Biol Med* 116:420-2, Jun 64  
[Ferritin and hemosiderin] Wöhler F.  
*Deutsch Med Wschr* 89:1801-9, 18 Sep 64 (Ger)

## TRANSIENTS AND MIGRANTS

Health and day care for children of migrant workers.  
Siegel E. *Public Health Rep* 79:847-52, Oct 64

## TRANSILLUMINATION

Microcirculatory studies in man by high resolution vital microscopy. Bränemark PI, et al.  
*Angiology* 15:329-32, Aug 64  
Transillumination of the iris during routine slit-lamp examination. Abrams JD.  
*Brit J Ophthalmol* 48:42-4, Jan 64

## TRANSPLANTATION

"Pre-cision," rather than "delay". Fischl RA.  
*Brit J Plast Surg* 17:309-10, Jul 64  
The biology of tissue transplantation. Russell PS, et al.  
*New Eng J Med* 271:776-83 concl, 8 Oct 64  
Presentation to Rupert E. Billingham, D.Sc., F.R.S., of the honorary award of the American Association of Plastic Surgeons. (Billingham RE), et al.  
*Plast Reconstr Surg* 34:117-20, Aug 64

## TRANSPLANTATION, AUTOLOGOUS

Return of neural responses after autotransplantation of the heart. Willman VL, et al.  
*Amer J Physiol* 207:187-9, Jul 64  
Relationship of blood flow in the kidney to the homograf reaction. Cohn R, et al.  
*Amer J Surg* 108:245-9, Aug 64  
Myringoplasty according to Shea's method. Elbrond O.  
*Arch Otolaryng* (Chicago) 80:402-6, Oct 64  
Tympanic perforation closure with autogenous fresh vein; experimental study in dogs. Guilford FR, et al.  
*Arch Otolaryng* (Chicago) 80:398-401, Oct 64  
The biology of tissue transplantation. Russell PS, et al.  
*New Eng J Med* 271:776-83 concl, 8 Oct 64

## TRANSPLANTATION, HETEROLOGOUS

Intralaminar heterografts of frog cornea into rabbit cornea. Agarwal LP, et al.  
*Brit J Ophthalmol* 47:14-30, Jan 63  
Absorption of human rib cartilage grafts transplanted to rabbits after preservation by different methods. Krüger E. *Brit J Plast Surg* 17:254-64, Jul 64  
Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al.  
*New Eng J Med* 271:1021-7, 12 Nov 64

## TRANSPLANTATION, HOMOLOGOUS

A technique for heart transplantation in the rat. Abbott CP, et al. *Arch Surg* (Chicago) 89:645-52, Oct 64  
Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. Hill RB Jr, et al.  
*New Eng J Med* 271:1021-7, 12 Nov 64  
Immunosuppression and infection.  
*New Eng J Med* 271:1068-9, 12 Nov 64  
The biology of tissue transplantation. Russell PS, et al.  
*New Eng J Med* 271:776-83 concl, 8 Oct 64

## TRANSPLANTATION IMMUNOLOGY

Studies on prolonged homograf survival: a new method of approach. Jolley WB, et al.  
*Amer J Surg* 108:239-44, Aug 64  
Intralaminar heterografts of frog cornea into rabbit cornea. Agarwal LP, et al.  
*Brit J Ophthalmol* 47:14-30, Jan 63  
Influence of sex and ABO blood group on the normal lymphocyte transfer test. Moorhead JF, et al.  
*Brit Med J* 5417:1111-3, 31 Oct 64  
Rejection processes in human homotransplanted kidneys. Dempster WJ, et al.  
*Brit Med J* 5415:969-76, 17 Oct 64  
Influence of sex and ABO blood group on the normal lymphocyte transfer test. Moorhead JF, et al.  
*Brit Med J* 5417:1111-3, 31 Oct 64  
Antiglobulin consumption test in rabbit homotransplantation. McDonald JC, et al.  
*JAMA* 190:122-6, 12 Oct 64  
Immunosuppression and infection.  
*New Eng J Med* 271:1068-9, 12 Nov 64  
The biology of tissue transplantation. Russell PS, et al.  
*New Eng J Med* 271:776-83 concl, 8 Oct 64

Subcellular transplantation antigen derived from dog spleen cells cultivated in vitro. Mannick JA, et al.  
*Proc Soc Exp Biol Med* 116:445-8, Jun 64  
Change in serum haptoglobin type following human liver transplantation. Merrill DA, et al.  
*Proc Soc Exp Biol Med* 116:748-51, Jul 64  
Spleen cytology during homograf rejection. Weldon CS. *Surg Forum* 15:152-4, 1964  
Prolonged functional survival of dog renal grafts with local radiation. Martin DC, et al.  
*Surg Forum* 15:156-8, 1964  
Selective immunosuppression by local radiation of renal homografts. Lee HM, et al.  
*Surg Forum* 15:158-60, 1964  
Histologic pattern in the auto- and homotransplanted dog lung. Archer FL, et al. *Surg Forum* 15:154-6, 1964  
Role of the red blood cell antigens in homograf rejection. Jacobson E Jr, et al.  
*Surg Forum* 15:138-9, 1964  
Effect of whole blood on the survival time of skin homografts in rabbits. Colberg JE, et al.  
*Surg Forum* 15:139-41, 1964  
Antigen-antibody reactions involved in transplantation phenomena. Burrows L, et al.  
*Surg Forum* 15:135-7, 1964  
A simple method for the preparation of cell free transplantation antigens. Physical and biological properties. Monaco AP, et al.  
*Surg Forum* 15:133-5, 1964  
Induction of tolerance with disrupted antigen, imuran, and sublethal irradiation. McKneally MF, et al.  
*Surg Forum* 15:131-2, 1964  
Deficiency of effective histocompatibility antigens in pituitary and parathyroid tissue. Gittes RF, et al.  
*Surg Forum* 15:164-6, 1964  
Splenectomy in immunosuppressive regimens in dog and man. Veith FJ, et al. *Surg Forum* 15:161-3, 1964  
Significance of lymphocyturia in renal homograf rejection. Kauffman HM, et al.  
*Surg Forum* 15:168-70, 1964  
Blood flow patterns in first and second set renal homografts. Jackson BT, et al.  
*Surg Forum* 15:171-2, 1964  
Selective irradiation of lymph nodes as a means of conditioning for homotransplantation. Tilak SP, et al.  
*Surg Forum* 15:160-1, 1964  
Differential skin and renal homograf survival in dogs on immunosuppressive therapy. Shell AG, et al.  
*Surg Forum* 15:166-8, 1964  
Alveolar surfactant in lung homotransplantation and hilar stripping. Yeh TJ, et al.  
*Surg Forum* 15:191-2, 1964  
Histologic and electrocardiographic changes of the transplanted rat heart. Abbott CP, et al.  
*Surg Forum* 15:253-5, 1964  
Complement fixation during homograf rejection. Clark DS, et al. *Surg Forum* 15:144-6, 1964  
Surgical studies in hematopoiesis—successful growth of homologous bone marrow in an ectopic locus using imuran. Sabet-Payman K, et al.  
*Surg Forum* 15:146-8, 1964  
Heterologous mouse anti-lymphocyte serum to prolong skin homografts. Gray JG, et al.  
*Surg Forum* 15:142-4, 1964  
In vitro test to detect the degree of antigenic difference between individuals. Bain B, et al.  
*Surg Forum* 15:151-2, 1964  
Caproic acid analogues to prolong survival of skin homografts. Cramer LM, et al.  
*Surg Forum* 15:479-80, 1964  
Passive transfer of delayed hypersensitivity to purified proteins with a cell-free factor. Cleveland JC, et al.  
*Surg Forum* 15:128-30, 1964  
Quantitative measurement of transplantation immunity. Najarian JS, et al.  
*Surg Forum* 15:127-8, 1964  
Distribution of tritium labeled thymocytes in newborn mice. Ebert PA, et al. *Surg Forum* 15:125-6, 1964  
[Transplantation immunological reactions] Mathé G, et al. *Presse Med* 72:2331-6, 26 Sep 64 (Fr)

## TRANSPORT OF WOUNDED AND SICK

A new stretcher. Munday MC.  
*Brit Med J* 5413:873, 3 Oct 64

## TRANSPPOSITION OF GREAT VESSELS

Surgical aspects of heart disease in infants under the age of two years. Gerbode F, et al.  
*Amer J Surg* 108:224-32, Aug 64  
Transposition of the great vessels: recent experience with the Blalock-Hanlon procedure. Starr A, et al.  
*Amer J Surg* 108:198-203, Aug 64  
Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Bernhardt WF, et al. *Surg Forum* 15:197-8, 1964



## TRANLYCYPROMINE

A comparison of pargyline and tranlycypromine with and without the addition of trifluoperazine: a double-blind study. Sharpley P, et al. *Curr Ther Res* 8:344-52, May 64  
Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. Goldberg LI. *JAMA* 190:456-62, 2 Nov 64

## TREMOR

Ventrolateral and subventrolateral thalamic stimulation. Motor effects. Ohye C, et al. *Arch Neurol (Chicago)* 11:427-34, Oct 64  
Quantitative criteria for the neurosurgical treatment of parkinsonism. Brumlik J, et al. *J Neurosurg* 20:21-33, Jan 63  
Subthalamotomy in treatment of parkinsonian tremor. Andy OJ, et al. *J Neurosurg* 20:860-70, Oct 63

## TREPHINING

Corneal trephine. Azeredo A. *Brit J Ophthal* 48:344, Jun 64

## TREPONEMA

Dependency of Treponema microdentium on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. Socransky SS, et al. *J Bact* 88:200-9, Jul 64

## TREPONEMA PALLIDUM

Course of the serologic reactions in rabbits inoculated with different numbers of Treponema pallidum. Kent JF, et al. *Amer J Clin Path* 42:33-6, Jul 64

## TRIAMCINOLONE

Pseudotumor cerebri in children secondary to administration of adrenal steroids. Cohn GA. *J Neurosurg* 20:784-6, Sep 63  
Bioassay of adrenocorticosteroids by the dog eosinophil response. Tonelli G, et al. *Proc Soc Exp Biol Med* 116:501-6, Jun 64

## TRIAMCINOLONE ACETONIDE

Bioassay of adrenocorticosteroids by the dog eosinophil response. Tonelli G, et al. *Proc Soc Exp Biol Med* 116:501-6, Jun 64

## TRICHOMONAS VAGINITIS

Vaginitis. *Lancet* 2:848-9, 17 Oct 64

## TRICUSPID INSUFFICIENCY

Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Bernhard WF, et al. *Surg Forum* 15:197-8, 1964

## TRICUSPID STENOSIS

Surgical aspects of heart disease in infants under the age of two years. Gerboide F, et al. *Amer J Surg* 108:224-32, Aug 64

## TRIFLUOPERAZINE

Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. *Curr Ther Res* 6:331-9, May 64  
A comparison of pargyline and tranlycypromine with and without the addition of trifluoperazine: a double-blind study. Sharpley P, et al. *Curr Ther Res* 6:344-52, May 64  
An apparently irreversible syndrome of abnormal movements following phenothiazine medication. Hunter R, et al. *Proc Roy Soc Med* 57:758-62, Aug 64

## TRIFLUPROMAZINE

Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. Michaux MH, et al. *Curr Ther Res* 6:331-9, May 64

## TRIGEMINAL NERVE

Neuro-ophthalmology. Hoyt WF. *Arch Ophthal (Chicago)* 72:679-719, Nov 64  
Congenital trigeminal anaesthesia. Hewson EG. *Brit J Ophthal* 47:308-11, May 63  
Trigeminal neuralgia caused by cysticercosis of the cavum meckelii: report of two cases. Tenuto RA, et al. *J Neurosurg* 20:169-71, Feb 63  
Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation. Bernstein PW, et al. *J Neurosurg* 21:687-98, 1964

Structural changes in the trigeminal system following compression procedures. Baker GS, et al. *J Neurosurg* 20:181-4, Mar 63  
Further observations of trigeminal antidromic potentials: possible physiological function of sensory antidromic potentials. Alvarez-Carregal E, et al. *J Neurosurg* 20:277-88, Apr 63  
Effect of conditioning stimuli upon evoked potentials in the trigeminal complex in cat. Stewart DH Jr, et al. *Surg Forum* 15:402-4, 1964

## TRIGEMINAL NEURALGIA

Neurosurgical classic. XIV. Wilkins RH. *J Neurosurg* 20:1090-9, Dec 63  
Trigeminal neuralgia caused by cysticercosis of the cavum meckelii: report of two cases. Tenuto RA, et al. *J Neurosurg* 20:169-71, Feb 63  
Trigeminal compression for tic douloureux: an evaluation. Graf CJ. *J Neurosurg* 20:1029-32, Dec 63  
Neurosurgical classic. 13. Wilkins RH. *J Neurosurg* 20:1009-22, Nov 63  
A case of meningitis due to Clostridium welchii. Willis AT, et al. *J Path Bact* 88:312-4, Jul 64

## TRIIODOTHYRONINE

The binding of 131-I-triiodothyronine by serum proteins as an in vitro test of thyroid function. Cuarón A, et al. *Acta Endocr (Kobenhavn)* 46:161-9, Jun 64  
The effect of exogenous precursors on etiocholanolone androsterone ratios in man. Kirschner MA, et al. *Acta Endocr (Kobenhavn)* 46:207-16, Jun 64  
The blood pressure in myxoedema coma. Bellau AR. *Brit J Clin Pract* 18:387-93, Jul 64  
Thyroxine and antithyrototoxic effects in the chick. Westerfeld WW, et al. *J Nutr* 83:325-31, Aug 64  
The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine. Levy RP, et al. *Metabolism* 13:557-61, Jun 64  
Erythrocyte triiodothyronine uptake test in obstetrics and gynecology. Gitman L, et al. *Obstet Gynec* 23:662-8, May 64  
Plasma protein binding, half-life, and erythrocyte uptake of thyroxine and triiodothyronine in chickens. Heninger RW, et al. *Proc Soc Exp Biol Med* 116:624-8, Jun 64

## TRIMETHAPHAN

Mechanisms of adrenal cortical activation by hypotension. Gann DS, et al. *Surg Forum* 15:8-10, 1964  
Hypotension: determinant in spontaneous control of arterial hemorrhage. Chiu CJ, et al. *Surg Forum* 15:3-4, 1964  
Effects of vasopressors and blocking agents on the kidney in oligemia. Glojubs RW, et al. *Surg Forum* 15:12-3, 1964

## TRIOSES

Structure of streptococcal cell walls. II. Group A biose and group A triose from C-polysaccharide. Heymann H, et al. *J Biol Chem* 239:1656-63, May 64

## TRIPARANOL

Effect of triparanol on synthesis of fatty acids by Tetrahymena pyriformis. Pollard WO, et al. *Proc Soc Exp Biol Med* 116:539-43, Jun 64  
Effect of 22,25-diazacholesterol on synthesis of cholesterol by rat liver homogenates. Dvornik D, et al. *Proc Soc Exp Biol Med* 116:537-9, Jun 64

## TRIPLETS

Chorionic gonadotropin levels in triplet gestation. Report of 2 cases. Jacobowitz WE. *Obstet Gynec* 23:788-92, May 64

## TRITIUM

Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. Rubini JR, et al. *Cancer Res* 24:655-61, May 64

## TROMETHAMINE

Urinary excretion of THAM citrate orally administered. Nahas GG, et al. *Proc Soc Exp Biol Med* 116:378-82, Jun 64  
Successful treatment of crush and amputation shock following prolonged periods of ischemia. Mehl RL, et al. *Surg Forum* 15:1-3, 1964

## TROPHOBLASTIC TUMOR

Infusion therapy for pelvic trophoblastic tumours. Bagshawe KD, et al. *J Obstet Gynaec Brit Comm* 71:565-70, Aug 64  
Pelvic angiography in the diagnosis of malignant

trophoblastic disease. Hendrickse JP de, et al. *New Eng J Med* 271:859-66, 22 Oct 64  
Chorionic gonadotropin levels in triplet gestation. Report of 2 cases. Jacobowitz WE. *Obstet Gynec* 23:788-92, May 64

## TROPICAL CLIMATE

Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. Wyndham CH, et al. *J Appl Physiol* 19:607-12, Jul 64  
Heat reactions of Caucasians and Bantu in South Africa. Wyndham CH, et al. *J Appl Physiol* 19:598-606, Jul 64

## TROPICAL MEDICINE

The significance of leaf vegetables, especially of cassava, in tropical nutrition. Terra GJ. *Trop Geogr Med* 16:97-108, Jun 64  
[Medical conditions in Amazonas] Hébard L. *Presse Med* 72:2557-60, 17 Oct 64 (Fr)

## TRYPANOSOMIASIS

Immunofluorescent study of experimental Trypanosoma cruzi infection. Essensfeld E, et al. *Proc Soc Exp Biol Med* 116:728-30, Jul 64

## TRYPANOSOMIASIS, SOUTH AMERICAN

Chagas' disease in Peru. I. The epidemiological importance of the guinea pig. Herrer A. *Trop Geogr Med* 16:146-51, Jun 64

## TRYPARSAMIDE

An experimental study of tissue-concentration ratios of As74 arsenate and labeled organic conjugates. McQueen JD, et al. *J Neurosurg* 21:641-6, Aug 64

## TRYPSIN

The mechanism of the specificity of trypsin catalysis. 3. Activation of the catalytic site of trypsin by alkylammonium ions in the hydrolysis of acetylglycine ethyl ester. Inagami T, et al. *J Biol Chem* 239:1395-401, May 64  
The mechanism of the specificity of trypsin catalysis. II. Comparison of trypsin and alpha-chymotrypsin in the nonspecific catalyses of the hydrolysis of acetylglycine ethyl ester. Inagami T, et al. *J Biol Chem* 239:1388-94, May 64  
Production of a polysaccharide by Staphylococcus aureus. 3. Action of penicillins and polysaccharides on enzymic lysis. Warren GH, et al. *Proc Soc Exp Biol Med* 116:317-23, Jun 64  
Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al. *Proc Soc Exp Biol Med* 116:669-71, Jul 64  
Effect of ethionine-induced pancreatic damage on intestinal enzyme activity of the rat. Libre EP, et al. *Proc Soc Exp Biol Med* 116:452-4, Jun 64  
Collagenolytic activity of mammalian pancreas. Houck JC, et al. *Proc Soc Exp Biol Med* 116:382-5, Jun 64  
Early experience with trypsinol in the treatment of acute pancreatitis. Nugent FW, et al. *Southern Med J* 57:1317-21, Nov 64

## TRYPSIN INHIBITORS

Evaluation of serum trypsin inhibitor activity in the detection of malignant disease. Kemp JH, et al. *Brit J Cancer* 18:390-6, Jun 64  
Collagenolytic activity of mammalian pancreas. Houck JC, et al. *Proc Soc Exp Biol Med* 116:382-5, Jun 64

## TRYPTOPHAN

Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder and kidney. Alifano A, et al. *Brit J Cancer* 18:386-9, Jun 64  
In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al. *Cancer Res* 24:596-602, May 64  
Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al. *Cancer Res* 24:582-5, May 64  
Colonic absorption of tryptophan metabolites in man. Fordtran JS, et al. *J Lab Clin Med* 64:125-32, Jul 64  
Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64



## TUBERCULIN REACTION

- Effect of mononuclear cell depletion by cortisone on hypersensitivity of leukocytes from tuberculous guinea pigs to PPD. Johnson RW, et al. *Amer Rev Resp Dis* 90:231-42, Aug 64
- Basophil leukocyte infiltration in the positive tuberculin skin test in man. Fulton JE Jr, et al. *J Invest Derm* 43:125-8, Aug 64
- Inhibition of established tuberculin hypersensitivity by methotrexate. Friedman RM. *Proc Soc Exp Biol Med* 116:471-5, Jun 64

## TUBERCULOMA

- Cerebral tuberculoma simulating cystic glioma: a case report. Rao BD, et al. *J Neurosurg* 20:172-3, Feb 63
- Tuberculoma of the brain. A clinical and angiographic study. Higazi I. *J Neurosurg* 20:378-86, May 63
- Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. Abraham J, et al. *J Neurosurg* 20:252-3, Mar 63

## TUBERCULOSIS

- Effect of mononuclear cell depletion by cortisone on hypersensitivity of leukocytes from tuberculous guinea pigs to PPD. Johnson RW, et al. *Amer Rev Resp Dis* 90:231-42, Aug 64
- No trace for tuberculosis. Schwarz K. *Brit J Clin Pract* 18:433, Jul 64
- The clinical usefulness of fungal serologic testing. Mays EE, et al. *Dis Chest* 46:205-10, Aug 64
- The immunological basis of acquired cellular resistance. Mackness GB. *J Exp Med* 120:105-20, 1 Jul 64
- Basophil leukocyte infiltration in the positive tuberculin skin test in man. Fulton JE Jr, et al. *J Invest Derm* 43:125-8, Aug 64
- Tuberculosis of muscle. Katz R, et al. *JAMA* 190:472-3, 2 Nov 64
- Hearing loss in infants of tuberculous mothers treated with streptomycin during pregnancy. Robinson GC, et al. *New Eng J Med* 271:949-51, 29 Oct 64
- Tuberculosis among seamen. Jacobs S, et al. *Public Health Rep* 79:933-6, Oct 64

## TUBERCULOSIS, AVIAN

- Mycobacterial disease in man and animals. Tuberculosis in wild birds. McDiarmid A. *Proc Roy Soc Med* 57:480-1, Jun 64

## TUBERCULOSIS, CARDIOVASCULAR

- The second heart sound in biventricular failure due to African cardiomyopathy. Reid JV. *Amer Heart J* 68:38-40, Jul 64
- The racial incidence of the less common forms of heart disease at Groote Schuur Hospital, Cape Town, 1952-61. Schrire V. *S Afr Med J* 38:598-601, 15 Aug 64

## TUBERCULOSIS, FEMALE GENITAL

- Infertility in Northern Ireland. A retrospect of nine years in a fertility clinic. II. Observations on genital tuberculosis in the female, sex chromatin study of selected cases of azoospermia and the conception rate after 2-11 years related to semen analysis. Sloan WR. *J Obstet Gynaec Brit Comm* 71:411-7, Jun 64
- Female genital tuberculosis. A review of 135 cases. Francis WJ. *J Obstet Gynaec Brit Comm* 71:418-28, Jun 64

## TUBERCULOSIS IMMUNITY

- Induction of acquired resistance in guinea pigs with defatted Mycobacterium tuberculosis vaccines. Smith DW, et al. *J Bact* 88:87-92, Jul 64
- Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from Mycobacterium tuberculosis. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64
- Induction of acquired resistance in guinea pigs with defatted Mycobacterium tuberculosis vaccines. Smith DW, et al. *J Bact* 88:87-92, Jul 64
- Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from Mycobacterium tuberculosis. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64

## TUBERCULOSIS IN CHILDHOOD

- Generalized BCG infection. Blattner RJ. *J Pediat* 65:311-4, Aug 64

## TUBERCULOSIS, MALE GENITAL

- Fertility after chemotherapy in male patients with genital tuberculosis. Obrant KO, et al. *Fertil Steril* 15:440-9, Jul-Aug 64

## TUBERCULOSIS, OCULAR

- Anaphylactic reaction caused by intramuscular injection of lyophilized alpha-chymotrypsin. Watson PG. *Brit J Ophthal* 48:35-8, Jan 64

## TUBERCULOSIS, OSTEOARTICULAR

- Problems in diagnosing osteoarticular tuberculosis. Hunt DD. *JAMA* 190:95-8, 12 Oct 64
- [The synovial raisin cell. Its value in the diagnosis of rheumatic diseases] Delbarre F, et al. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)

## TUBERCULOSIS, PULMONARY

- Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. Small MJ, et al. *Amer Rev Resp Dis* 90:223-30, Aug 64
- Bed rest and institutional treatment in pulmonary tuberculosis. Brace AA, et al. *Amer Rev Resp Dis* 90:183-93, Aug 64
- Alternating regimens of streptomycin-pyrazinamide, isoniazid-para-aminosalicylic acid at Battey State Hospital. Corpe RF, et al. *Amer Rev Resp Dis* 90:262-5, Aug 64
- The specialty of chest medicine. Oswald NC. *Brit Med J* 5414:935-9, 10 Oct 64
- Experience with endobronchial medication. Saeed AH. *Dis Chest* 46:143-9, Aug 64
- Comparative study between bacteriologic findings in patients with pulmonary tuberculosis and bacteriology of surgically resected lung tissue. Amadio GE, et al. *Dis Chest* 46:37-41, Jul 64
- The genesis of adenolymphoma. Azzopardi JG, et al. *J Path Bact* 88:213-8, Jul 64
- [Chemo-antibiotic therapy of tuberculosis in diabetics and its repercussions on glucide metabolism] Filla E, et al. *Minerva Med* 55:2417-22, 18 Aug 64 (It)

## TUBERCULOSIS VACCINES

- Induction of acquired resistance in guinea pigs with defatted Mycobacterium tuberculosis vaccines. Smith DW, et al. *J Bact* 88:87-92, Jul 64

## TUBEROUS SCLEROSIS

- Some neurosurgical aspects of the so-called phakomatoses. Obrador S. *J Neurosurg* 20:296-302, Apr 63

## TUBOCURARINE

- Cerebral deposition of drugs at low temperatures. Baldwin M, et al. *J Neurosurg* 20:637-46, Aug 63

## TULAREMIA

- Antibody response in splenectomized monkeys. Saslaw S, et al. *Proc Soc Exp Biol Med* 116:738-42, Jul 64

## TUMOR VIRUSES

- Effect of orotic acid on the metastasis of mammary tumors in mice. Chu EW, et al. *Cancer Res* 24:671-3, May 64
- An electron microscope study of rat leukemia induced with mouse leukemia virus (Gross). Dmochowski L, et al. *Cancer Res* 24:869-99, Jun 64
- Further studies of the immunological properties of Gross virus-induced lymphomas. Wahren B. *Cancer Res* 24:906-14, Jun 64
- Studies with the murine leukemogenic Rauscher virus. 3. An in vivo assay for anti-viral agents. Chirigos MA. *Cancer Res* 24:1035-41, Jul 64
- The production of a virus-induced tumor in the central nervous system of monkeys. Ausman JI, et al. *J Neurosurg* 21:660-6, Aug 64
- Properties of a lymphocytic leukemia agent isolated from Ha/ICR Swiss mice. Buffett RF, et al. *Proc Soc Exp Biol Med* 116:293-7, Jun 64
- Current concepts of viral neoplasia. Bryan WR. *Southern Med J* 57:1263-7, Nov 64
- The relationship of enzymes and viruses to cancer. Introduction. Copeland MM. *Southern Med J* 57:1261-2, Nov 64
- Viruses and cancer in animals and man. Dmochowski L. *Southern Med J* 57:1267-72, Nov 64

## TURNER'S SYNDROME

- Some aspects of chromosome mosaicism in clinical medicine. Blank CE. *Lancet* 2:903-6, 24 Oct 64

## TURPENTINE

- The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. Weimer HE, et al. *Cancer Res* 24:847-54, Jun 64

## TWINS

- Pituitary gonadotrophin and dizygotic twinning. Crooke AC. *Lancet* 2:695-6, 20 Sep 64
- Inheritance in human dizygotic twinning. White C, et al. *New Eng J Med* 271:1003-5, 5 Nov 64
- Transfusion syndrome in multiple pregnancy. Conway CF. *Obstet Gynec* 23:745-51, May 64
- Perinatal mortality in twin pregnancy. Klein J. *Obstet Gynec* 23:738-44, May 64

## TYMPANIC MEMBRANE

- Tympanic perforation closure with autogenous fresh vein; experimental study in dogs. Guilford FR, et al. *Arch Otolaryng (Chicago)* 80:398-401, Oct 64
- Myringoplasty according to Shea's method. Elbrond O. *Arch Otolaryng (Chicago)* 80:402-6, Oct 64

## TYPHOID

- Ampicillin for typhoid carriers. Christie AB. *Brit Med J* 5413:876, 3 Oct 64
- Immunization against typhoid and paratyphoid fevers. Ashcroft MT. *Chn Pediat (Phila)* 3:385-93, Jul 64
- Ampicillin in treatment of Salmonella typhi carriers and Brucella melitensis septicaemia. Farid Z, et al. *Lancet* 2:763, 3 Oct 64
- Aberdeen epidemic. Christian HJ. *New Eng J Med* 271:1018-9, 5 Nov 64

## TYPHOID-PARATYPHOID VACCINES

- Immunization against typhoid and paratyphoid fevers. Ashcroft MT. *Chn Pediat (Phila)* 3:385-93, Jul 64
- Antibody response in splenectomized monkeys. Saslaw S, et al. *Proc Soc Exp Biol Med* 116:738-42, Jul 64

## TYRAMINE

- Effect of hemorrhagic shock on release of norepinephrine by tyramine. Harrison DC, et al. *Amer J Physiol* 206:1262-6, Jun 64
- The chronotropic action of tyramine studied by direct perfusion of the sinus node through its artery. James TN, et al. *J Pharmacol Exp Ther* 144:83-8, Apr 64
- Hemodynamic effects of tyramine. Harakal C, et al. *J Pharmacol Exp Ther* 144:89-96, Apr 64

## TYROSINE

- Studies on tyrosinosis: 1, effect of low-tyrosine and low-phenylalanine diet. Halvorsen S, et al. *Brit Med J* 5418:1171-3, 7 Nov 64
- Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64
- Phenylalanine requirements with different levels of tyrosine. Burrill LM, et al. *J Nutr* 83:202-8, Jul 64
- The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. Burack WR, et al. *J Pharmacol Exp Ther* 144:66-75, Apr 64

## TYROSINE DECARBOXYLASE

- The treatment of cerebral atherosclerosis with Vasolastine (a preliminary report). Mawdesley-Thomas LE, et al. *Brit J Clin Pract* 18:405-7, Jul 64
- Tyrosinase inheritance in Streptomyces scabies. I. Genetic recombination. Gregory KF, et al. *J Bact* 87:1281-6, Jun 64
- Tyrosinase inheritance in Streptomyces scabies. II. Induction of tyrosinase deficiency by acridine dyes. Gregory KF, et al. *J Bact* 87:1287-94, Jun 64
- Tyrosinase inheritance in Streptomyces scabies. I. Genetic recombination. Gregory KF, et al. *J Bact* 87:1281-6, Jun 64
- Tyrosinase inheritance in Streptomyces scabies. II. Induction of tyrosinase deficiency by acridine dyes. Gregory KF, et al. *J Bact* 87:1287-94, Jun 64

## UBIQUINONE

- Effects of cyanide, Qo, and dinitrophenol on renal sodium reabsorption and oxygen consumption. Fujimoto M, et al. *Amer J Physiol* 206:1327-32, Jun 64

## ULCER

- Squamous cell carcinoma arising in plantar ulcers in leprosy. Job CK, et al. *Int J Leprosy* 32:37-44, Jan-Mar 64

## ULNA

- Treatment of non-union of fractures of the long bones by the two-plate method. Murray WR, et al. *J Bone Joint Surg [Amer]* 46:1027-48, Jul 64
- Effect of open reduction on fracture healing. Hermans RA, et al. *Surg Forum* 15:448-50, 1964



## ULNAR NERVE

Neurosurgical disorders affecting the hand. Feindel W. *Surg Clin N Amer* 44:1031-6, Aug 64

## ULTRASONIC THERAPY

General anesthesia in the ultrasound irradiation of the posterior labyrinth in severe Menière's disease. Arslan M, et al. *Ann Otol* 73:328-31, Jun 64  
Suppression of epileptic movements in the presence of grand mal seizure discharges. Lindstrom PA, et al. *J Neurosurg* 20:97-104, Feb 63

## ULTRASONICS

Experimental and clinical observations on the echograms in vitreous haemorrhages. Oksala A. *Brit J Ophthalmol* 47:65-70, Feb 63  
Extracranial masses complicating the interpretation of echoencephalograms: a new technique for quantitative evaluation. Chaddock WM, et al. *J Neurosurg* 21:699-703, Aug 64

## ULTRAVIOLET RAYS

Isologous interference with ultraviolet and x-ray irradiated bacteriophage T2. Levy SB. *J Bact* 87:1330-8, Jun 64  
Nutritional mutations and transduction by ultraviolet-inactivated phage in *Staphylococcus aureus*. Carere A, et al. *J Bact* 88:226-32, Jul 64  
Correlation between genetic transformability and non-photoreactivability in *Bacillus subtilis*. Keiner A. *J Bact* 87:1295-303, Jun 64  
Nutritional mutations and transduction by ultraviolet-inactivated phage in *Staphylococcus aureus*. Carere A, et al. *J Bact* 88:226-32, Jul 64  
Correlation between genetic transformability and non-photoreactivability in *Bacillus subtilis*. Keiner A. *J Bact* 87:1295-303, Jun 64  
Isologous interference with ultraviolet and x-ray irradiated bacteriophage T2. Levy SB. *J Bact* 87:1330-8, Jun 64

## UMBILICAL CORD

Absence of one umbilical artery. Analysis of 60 cases with emphasis on associated developmental aberrations. Seki M, et al. *Arch Path (Chicago)* 78:446-53, Oct 64  
Umbilical cord. Stallabrass P. *Brit Med J* 5416:1070-1, 24 Oct 64  
The relationship of gamma-1A globulin and reagin in cord sera. Allansmith M, et al. *J Allerg* 35:339-45, Jul-Aug 64

## UMBILICAL HERNIA

Improved conservative treatment of exomphalos. Dorog J. *Lancet* 2:888-9, 24 Oct 64

## UMBILICUS

Xiphopagus conjoined twins: preoperative evaluation and surgical management. Woolley MM, et al. *Amer J Surg* 108:277-84, Aug 64  
The care of the umbilical stump in relation to cross infection in maternity units. Henderson RJ, et al. *J Obstet Gynaec Brit Comm* 71:443-8, Jun 64

## UNIVERSITIES

Academic and emotional problems of college women: low-effort and high-effort syndromes. Flory MD, et al. *Psychiatry* 27:290-4, Aug 64

## URACIL

Control of uracil synthesis by arginine in *Escherichia coli*. Ben-Ishai R, et al. *J Bact* 87:1436-42, Jun 64

## URACIL NUCLEOTIDES

Histochemistry of the retina in the alloxan-diabetic rat. Newell FW, et al. *Brit J Ophthalmol* 47:598-600, Oct 63  
Incorporation of 14C and 3H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. Silbert JE. *J Biol Chem* 239:1810-5, May 64

## UREA

Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. Walters MN. *Amer J Path* 44:973-81, Jun 64  
Urea transport across dog intestinal mucosa in vitro. Hakim AA, et al. *Amer J Physiol* 206:1315-20, Jun 64  
Urea production and excretion by the chicken kidney. Owen EE, et al. *Amer J Physiol* 206:1321-6, Jun 64  
Intravascular hemolysis following urea administration during hypothermia. Ravin MB, et al. *Anesthesiology* 25:576-80, Jul-Aug 64

Effect of hydroxyurea on *Pseudomonas aeruginosa*. Gale GR, et al. *Cancer Res* 24:1012-20, Jul 64  
Semiautomatic determination of serum glucose and urea using a new three-channel pipetting machine. Sobolewski G. *Clin Chem* 10:563-7, Jun 64  
A semimicro modification of the Karr urea determination method using the Somogyi serum filtrate. Ryland ME. *Clin Chem* 10:406-11, May 64  
Dialyzable poisons: in vitro efficacy of a modified Skeggs-Leonards hemodialyzer with a comparison to clinical results. Wieth JO, et al. *J Lab Clin Med* 64:60-71, Jul 64  
Experimental postoperative cerebral edema. Mann FD, et al. *J Neurosurg* 20:687-91, Aug 63  
Effects of urea and other dehydrating agents upon dog brain. Goldstein SL, et al. *J Neurosurg* 21:672-7, Aug 64  
Maternal and infant plasma urea at delivery. McKay E, et al. *J Obstet Gynaec Brit Comm* 71:449-52, Jun 64  
Urea cycle adaptations in intact and adrenalectomized rats. Freedland RA. *Proc Soc Exp Biol Med* 116:692-6, Jul 64

## UREASE

The urease activity of mycobacteria. Urabe K, et al. *Amer Rev Resp Dis* 90:266-7, Aug 64  
Preparation and properties of water-insoluble derivatives of urease. Riesel E, et al. *J Biol Chem* 239:1521-4, May 64

## UREMIA

Acute renal failure due to tubular necrosis, immediate prognosis and complications. Lunding M, et al. *Acta Med Scand* 176:103-19, Jul 64  
Intraocular pressure changes during artificial kidney therapy. Sitprija V, et al. *Arch Ophthalmol (Chicago)* 72:626-31, Nov 64  
Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. Kolff WJ, et al. *Circulation* 30:Suppl 2:23-35, Aug 64  
Mineral analysis of the fourth lumbar vertebra in health and renal failure. Kaye M. *J Clin Invest* 43:1367-71, Jul 64  
Effect of anemic hypoxia on erythropoiesis of normal and uremic dogs with or without kidneys. Naets JP, et al. *J Nucl Med* 5:471-9, Jun 64  
Nephropathy in essential familial hyperlipaemia. Khachadurian AK, et al. *Lancet* 2:911-2, 24 Oct 64  
Sweating in the treatment of chronic uraemia. Sobel J, et al. *Lancet* 2:760-1, 3 Oct 64  
Study of the effect of uremic metabolites on erythrocyte glycolysis. Morgan JM, et al. *Metabolism* 13:629-35, Jul 64

## URETER

Pyelo-ureteritis cystica. Mayall GF. *Brit J Radiol* 37:587-8, Jul 64  
Adenomatous polyp of bowel following ureterocolic anastomosis. A case report and review of the literature. Gillman JC. *Brit J Urol* 36:264-70, Jun 64  
The problem of bilharzial ureter. Fam A. *Brit J Urol* 36:211-9, Jun 64  
A case of hemipyonephrosis in a duplicated kidney presenting in middle age. Ross KF. *Brit J Urol* 36:191-3, Jun 64  
Pyelo-ileo-cystostomy in pitressin-resistant diabetes insipidus. Madsen PO, et al. *J Urol* 92:68-71, Jul 64  
Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs. Zlmskind PD, et al. *Surg Forum* 15:496-7, 1964

## URETERAL CALCULI

Hyperparathyroidism and uric acid lithiasis: a report of two cases. Frank M, et al. *Brit J Urol* 36:184-6, Jun 64

## URETERAL OBSTRUCTION

An unusual cause of renal colic in a pseudohermaphrodite. Ziellinski J, et al. *Brit J Urol* 36:254-6, Jun 64  
The problem of bilharzial ureter. Fam A. *Brit J Urol* 36:211-9, Jun 64  
Cutaneous ureterostomy in a case of malignant carcinoma obstructing the ureters. Pringle R, et al. *Brit J Urol* 36:194-7, Jun 64  
Effect of proteolytic enzymes from carica papaya on induced edema in dog ureters. Logan DJ, et al. *Surg Forum* 15:481-2, 1964

## URETHANE

Changes in susceptibility to urethane-induced lung tumours produced by selective breeding in mice. Falconer DS, et al. *Brit J Cancer* 18:322-32, Jun 64  
The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. Ball JK, et al. *Brit J Urol* 36:225-37, Jun 64  
Slow elimination of urethane in relation to its high carcinogenicity in newborn mice. Mirvish S, et al. *Proc Soc Exp Biol Med* 116:265-8, Jun 64

## URETHRA

Urethrographic studies of the posterior urethra. II. Emptying of the prostatic urethra. Morales O, et al. *Acta Radiol (Diagn)* (Stockholm) 2:305-15, Jul 64  
Estrogenic hormones, urethral cornification, and arteriosclerotic vascular disease in men. Dalldorf FG. *Amer J Clin Path* 42:64-8, Jul 64  
Acute inversion of the urinary bladder in labour. Sutherland JC, et al. *Brit Med J* 5415:991-2, 17 Oct 64  
Reconstruction of the urethra. Moir JC. *J Obstet Gynaec Brit Comm* 71:349-59, Jun 64  
Localized amyloidosis (amyloid tumor) of the urethra. Ullmann AS, et al. *J Urol* 92:42-4, Jul 64  
Radiology of obstructive lesions of the urethra in children. Gordon IR. *Proc Roy Soc Med* 57:735-6, Aug 64  
Treatment of urethral obstruction in children. Miller A. *Proc Roy Soc Med* 57:730-2, Aug 64  
Endoscopic investigation and diagnosis of urethral obstruction in children. Mitchell JP. *Proc Roy Soc Med* 57:732-4, Aug 64  
Urethral obstruction in children. Bladder neck hypertrophy in childhood. Corner B. *Proc Roy Soc Med* 57:727-30, Aug 64  
Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schenker B. *Radiology* 83:12-21, Jul 64

## URETHRAL STRICTURE

Late results of transurethral prostatectomy. Holtgrewe HL, et al. *J Urol* 92:51-5, Jul 64

## URETHRITIS

A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al. *J Amer Geriatr Soc* 12:771-5, Aug 64

## URIC ACID

Effect of sodium lactate on urate clearance in the Dalmatian and in the mongrel. Reem GH, et al. *Amer J Physiol* 207:113-7, Jul 64  
Anuria due to uric acid crystalluria: an unusual complication of therapy in the reticuloses. Conolly ME, et al. *Brit J Cancer* 18:247-51, Jun 64  
Hyperparathyroidism and uric acid lithiasis: a report of two cases. Frank M, et al. *Brit J Urol* 36:184-6, Jun 64  
Pseudogout. *Brit Med J* 5414:889-90, 10 Oct 64  
Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. De Lamirande G. *Cancer Res* 24:742-50, May 64  
Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. Barzel US, et al. *J Urol* 92:1-5, Jul 64  
Blood uric acid values as related to sex and age. Gephardt MC, et al. *JAMA* 189:1028-9, 28 Sep 64  
The effect of glucose loads on renal uric acid excretion in diabetic patients. Padova J, et al. *Metabolism* 13:507-12, Jun 64

## URINARY CALCULI

Anuria due to uric acid crystalluria: an unusual complication of therapy in the reticuloses. Conolly ME, et al. *Brit J Cancer* 18:247-51, Jun 64  
Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. Barzel US, et al. *J Urol* 92:1-5, Jul 64

## URINARY CATHETERIZATION

Indirect cystometry. Varughese G. *J Neurosurg* 20:655-9, Aug 63  
An improved U-tube catheter. Comarr AE. *J Urol* 92:78-9, Jul 64  
Indwelling catheter and postoperative urinary tract infection. Hildebrandt RJ, et al. *Obstet Gynec* 23:686-8, May 64

## URINARY DIVERSION

Adenomatous polyp of bowel following ureterocolic anastomosis. A case report and review of the literature. Gillman JC. *Brit J Urol* 36:264-70, Jun 64  
Cutaneous ureterostomy in a case of malignant carcinoma obstructing the ureters. Pringle R, et al. *Brit J Urol* 36:194-7, Jun 64  
Colo-neo-urethrostomy. A diversion operation for urinary incontinence. Grant H. *Brit J Urol* 36:198-203, Jun 64  
Method of urinary diversion which preserves continence: description of surgical technique and postoperative electrolyte study. Letter E, et al. *J Urol* 92:37-41, Jul 64  
Pyelo-ileo-cystostomy in pitressin-resistant diabetes insipidus. Madsen PO, et al. *J Urol* 92:68-71, Jul 64



## URINARY FISTULA

Postobstetric genitourinary-tract fistula. A report of 38 cases in a West African community. Longo LD. *Obstet Gynec* 23:768-73, May 64

## URINARY INCONTINENCE

Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al. *Brain* 87:233-62, Jun 64  
 Colo-neo-urethrostomy. A diversion operation for urinary incontinence. Grant H. *Brit J Urol* 36:198-203, Jun 64  
 Paraparesis with incontinence of bowel and bladder. A syndrome of bilateral subdural hematomas. Bortnick RJ, et al. *J Neurosurg* 20:352-3, Apr 63  
 Late results of transurethral prostatectomy. Holtgrewe HL, et al. *J Urol* 92:51-5, Jul 64

## URINARY INCONTINENCE, STRESS

[Stress urinary incontinence in women] Aboulker P. *Presse Med* 72:2157-60, 12 Sep 64 (Fr)

## URINARY TRACT INFECTIONS

Ten-second urine culture and colony count. Randolph MF, et al. *Amer J Dis Child* 108:348-50, Oct 64  
 Chronic pyelonephritis from the urological standpoint of view with regard to the kidney biopsies and long-term chemotherapy. Leppänen MK. *Ann Chir Gynaec Fenn* 53:338-46, 1964  
 Indwelling catheter and postoperative urinary -tract infection. Hildebrandt RJ, et al. *Obstet Gynec* 23:686-8, May 64

## URINATION

Further experience with the radio transmitter receiver unit for the neurogenic bladder. Bradley WE, et al. *J Neurosurg* 20:953-60, Nov 63

## URINATION DISORDERS

Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. Andrew J, et al. *Brain* 87:233-62, Jun 64  
 A new medication for relief of urinary symptoms: a preliminary report. Spinelli AN, et al. *J Amer Geriatr Soc* 12:771-5, Aug 64  
 Pressure telemeter: a method of measuring intravesical pressure without tubes, wires, or catheters. Gleason DM, et al. *Surg Forum* 15:502-3, 1964

## URINE

Estrogenic hormones, urethral cornification, and arteriosclerotic vascular disease in men. Dalldorf FG. *Amer J Clin Path* 42:64-8, Jul 64  
 Ten-second urine culture and colony count. Randolph MF, et al. *Amer J Dis Child* 108:348-50, Oct 64  
 The visceral lesions of metachromatic leukodystrophy. Wolfe HJ, et al. *Amer J Path* 44:921-30, Jun 64  
 The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. Jick H, et al. *Clin Sci* 26:397-403, Jun 64  
 Inclusion-bearing cells in urinary sediment in infectious diseases. Boyd JF, et al. *J Path Bact* 88:115-24, Jul 64  
 Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. Barzel UB, et al. *J Urol* 92:1-5, Jul 64  
 Erythropoietic activity in human urine concentrate. Lewis JP, et al. *Proc Soc Exp Biol Med* 116:742-5, Jul 64

## UROBILINOGEN

Studies on the determination of bile pigments. VI. Urobilinogen in urine as urobilinogen-aldehyde. Henry RJ, et al. *Clin Chem* 10:440-6, May 64

## UROGENITAL NEOPLASMS

Isolation of *Borrelia refringens* in pure culture from patients with condylomata acuminata. Hanson AW, et al. *J Bact* 88:111-3, Jul 64

## UROGENITAL SYSTEM

Congenital aplasia of the abdominal muscles with urogenital malformations. Andrén L, et al. *Acta Radiol (Diagn)* (Stockholm) 2:298-304, Jul 64

## UROGRAPHY

An improved method of excretory urography. Heetderks DR Jr, et al. *J Urol* 92:75-7, Jul 64  
 Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. Schencker B. *Radiology* 83:12-21, Jul 64

## UROLOGIC DISEASES

Urethral obstruction in children. Bladder neck hypertrophy in childhood. Corner B. *Proc Roy Soc Med* 57:727-30, Aug 64  
 Endoscopic investigation and diagnosis of urethral obstruction in children. Mitchell JP. *Proc Roy Soc Med* 57:732-4, Aug 64  
 Radiology of obstructive lesions of the urethra in children. Gordon IR. *Proc Roy Soc Med* 57:735-6, Aug 64  
 Treatment of urethral obstruction in children. Miller A. *Proc Roy Soc Med* 57:730-2, Aug 64

## URTICARIA PIGMENTOSA

Hereditary urticaria pigmentosa. Gross BG, et al. *Arch Derm (Chicago)* 90:401-3, Oct 64

## UTERINE HEMORRHAGE

Serum folic acid activity and vaginal bleeding in early pregnancy. Martin JD, et al. *J Obstet Gynaec Brit Comm* 71:400-3, Jun 64  
 Transient unilateral vascular occlusion associated with accidental ante-partum haemorrhage. Combrink PB. *J Obstet Gynaec Brit Comm* 71:461-3, Jun 64  
 Significance of the placental position. A report from the collaborative study of cerebral palsy. Little WA, et al. *Obstet Gynec* 23:804-9, May 64  
 Diagnosis of placenta praevia by angiography. Obstetrical aspects. Bevis DC. *Proc Roy Soc Med* 57:700-2, Aug 64

## UTERINE NEOPLASMS

Effect of cytologic program on pelvic examinations. Dublin IN, et al. *Arch Environ Health (Chicago)* 9:514-20, Oct 64  
 Spontaneous uterine cancer in animals. Cotchin E. *Brit J Cancer* 18:209-27, Jun 64  
 Misleading exfoliative cytology. *Brit Med J* 5413:874-5, 3 Oct 64  
 Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Yokoro K, et al. *Cancer Res* 24:683-8, May 64  
 Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. McKenna JM, et al. *Cancer Res* 24:754-62, May 64  
 Chorion-carcinoma--radiotherapy. Bromley JF. *Clin Radiol* 15:263-6, Jul 64  
 The diagnosis of choriocarcinoma. Wade-Evans T. *Clin Radiol* 15:256-9, Jul 64  
 Chorion-carcinoma in the Midlands. Mills W. *Clin Radiol* 15:260-2, Jul 64  
 Myomectomy for improvement of fertility. Stevenson CB. *Fertil Steril* 15:367-84, Jul-Aug 64  
 Infusion therapy for pelvic trophoblastic tumours. Bagshawe KD, et al. *J Obstet Gynaec Brit Comm* 71:565-70, Aug 64  
 Endometrial stromaloma. Report of a case. Rosenberg RJ, et al. *Obstet Gynec* 23:708-11, May 64  
 The treatment of carcinoma of the body of the uterus. *Proc Roy Soc Med* 57:467-78, Jun 64  
 [Contribution to the statistics of lipoma of the uterus] Conill Serra V, et al. *J Int Coll Surg* 42:438-43, Oct 64 (Sp)

## UTERINE RUPTURE

Ruptured uterus after buccal oxytocin. Nicholson HO. *Brit Med J* 5413:876-7, 3 Oct 64  
 Ruptured uterus after buccal oxytocin. Chalmers JA, et al. *Brit Med J* 5416:1070, 24 Oct 64  
 Buccal oxytocin. *Brit Med J* 5417:1133-4, 31 Oct 64  
 Combined intra- and extrauterine pregnancy. Report of a case. George WD, et al. *Obstet Gynec* 23:778-9, May 64  
 Uterine rupture. A 30-year survey. Donnelly JP, et al. *Obstet Gynec* 23:774-7, May 64

## UTERUS

Uterine and placental enzymes; a review. Hafez ES. *Acta Endocr (Kopenhagen)* 46:217-29, Jun 64  
 Mouse cytomegalovirus infection. 3. Attempts to produce intrauterine infections. Medearis DN Jr. *Amer J Hyg* 80:113-20, Jul 64  
 Effects of rhinencephalic lesions on endocrine and somatic development in the rat. Kling A. *Amer J Physiol* 206:1395-400, Jun 64  
 The obstetrician bids, and the uterus contracts. Moir JC. *Brit Med J* 5416:1025-9, 24 Oct 64  
 Cortisol effects on the uterine response to estrogen. Nicolette JA, et al. *Endocrinology* 74:955-9, Jun 64  
 Electrophoretic separation of hydrolytic enzymes of the female rat reproductive tract. Robboy SJ, et al. *Endocrinology* 75:97-103, Jul 64  
 The expansile behaviour of the human uterus. Wood C. *J Obstet Gynaec Brit Comm* 71:615-20, Aug 64  
 Physiology of uterine contractions. Wood C. *J Obstet Gynaec Brit Comm* 71:360-73, Jun 64

Uterine action in East African parturients. Hyslop CM. *J Obstet Gynaec Brit Comm* 71:474-5, Jun 64  
 Experimental growth retardation in the foetal rat. Wigglesworth JS. *J Path Bact* 88:1-13, Jul 64  
 Prevention of delayed implantation in rats by means of an intrauterine foreign body. Kar AB, et al. *J Reprod Fertil* 8:139-40, Aug 64  
 Uterosacral block: a new diagnostic procedure. Desrosiers JA, et al. *Obstet Gynec* 23:671-7, May 64  
 The anatomy of the utero-tubal junction area. Rocker I. *Proc Roy Soc Med* 57:707-9, Aug 64  
 Utero-tubal implantation. Peel J. *Proc Roy Soc Med* 57:710-4, Aug 64  
 Triphenyltetrazolium reduction by uterine tissue of rats. Schultze AB. *Proc Soc Exp Biol Med* 116:653-5, Jul 64

## UVEITIS

Ocular toxoplasmosis. Hogan MJ, et al. *Arch Ophthalm (Chicago)* 72:592-600, Nov 64  
 The occurrence of an autoantibody in human uveitis. Aronson SB, et al. *Arch Ophthalm (Chicago)* 72:621-5, Nov 64  
 Keraconjunctivitis resulting from the sap of candelabra cactus and the pencil tree. Crowder JI, et al. *Arch Ophthalm (Chicago)* 72:476-84, Oct 64  
 Auto-immunity in uveitis. Perkins ES, et al. *Brit J Ophthalm* 48:61-9, Feb 64  
 Coats's disease. 3. Experimental study of the effect of sterile uveal inflammation on rabbits with an induced hyperlipaemia. Woods AC, et al. *Brit J Ophthalm* 48:330-40, Jun 64  
 Facial palsy in Heerfordt's syndrome. Lambert V, et al. *J Laryng* 78:684-93, Jul 64  
 [Apropos of autoimmune disease of the eye: phaco-antigen uveitis] Witmer R. *Int Arch Allerg* 24:Suppl 58-64, 1964 (Ger)

## VACCINATION

Eczema vaccinatum. Dewar WA. *Brit Med J* 5416:1071, 24 Oct 64

## VACCINE THERAPY

Immunity and the treatment of cancer. Milner JE, et al. *Lancet* 2:816-7, 10 Oct 64  
 Pseudomonas vaccine and hyperimmune plasma in the treatment of burned patients. Feller I, et al. *Surg Forum* 15:46-7, 1964

## VACCINES

Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from *Mycobacterium tuberculosis*. Youmans AS, et al. *J Bact* 87:1346-54, Jun 64

## VACCINIA

Multiple vaccinia of the eyelids. Ogg AJ. *Brit J Ophthalm* 47:123-5, Feb 63  
 Eczema vaccinatum. Dewar WA. *Brit Med J* 5416:1071, 24 Oct 64

## VACCINIA VIRUS

The role of RNA in the synthesis of vaccinia virus. Loh PC. *Proc Soc Exp Biol Med* 116:799-92, Jul 64

## VAGINA

Electrophoretic separation of hydrolytic enzymes of the female rat reproductive tract. Robboy SJ, et al. *Endocrinology* 75:97-103, Jul 64  
 Congenital absence of the vagina: a simple operation for its relief. Williams EA. *J Obstet Gynaec Brit Comm* 71:511-2, Aug 64  
 Keratin formation in a chemically defined medium. Pullar P. *J Path Bact* 88:203-12, Jul 64  
 Postoperative vaginal-vault disruption. Report of a case. Ranney B. *Obstet Gynec* 23:793-4, May 64  
 Vaginal electro potentials--a new technique for assessing the estrogenic status of patients. Mozdén PJ, et al. *Surg Forum* 15:379-81, 1964

## VAGINAL FISTULA

Postobstetric genitourinary-tract fistula. A report of 38 cases in a West African community. Longo LD. *Obstet Gynec* 23:768-73, May 64

## VAGINAL SMEARS

Effect of cytologic program on pelvic examinations. Dublin IN, et al. *Arch Environ Health (Chicago)* 9:514-20, Oct 64  
 Misleading exfoliative cytology. *Brit Med J* 5413:874-5, 3 Oct 64  
 A comparison between vaginal cytology and urinary hormone excretion during pregnancy. MacRae DJ, et al. *J Obstet Gynaec Brit Comm* 71:586-98, Aug 64



The prevention of cervical cancer. Who takes the smears? Wolfendale M, et al. *Lancet* 2:901-2, 24 Oct 64

## VAGINITIS

Is *Haemophilus vaginalis* a pathogen in the female genital tract? Frampton J, et al. *J Obstet Gynaec Brit Comm* 71:436-42, Jun 64  
Vaginitis. *Lancet* 2:848-9, 17 Oct 64

## VAGOTOMY

Distal antrectomy with vagotomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. Palumbo LT, et al. *Arch Surg (Chicago)* 89:637-44, Oct 64  
Complete vagotomy and its consequences: follow-up of 146 patients. Clark CG, et al. *Brit Med J* 5414:900-3, 10 Oct 64  
Abdominal surgery. Welch CE. *New Eng J Med* 271:829-33 contd, 15 Oct 64  
Effect of vagotomy on renal function during water diuresis. Perlmutt JH. *Proc Soc Exp Biol Med* 116:270-3, Jun 64  
Metabolic effects of selective and total vagotomy. Baldwin JN, et al. *Surg Forum* 15:303-5, 1964  
A new preparation for studying gastric secretion in the rat. Swan KG, et al. *Surg Forum* 15:305-7, 1964  
[Mechanical aspects of ventilation in anaphylactic shock in rabbits] Troquet J. *Int Arch Allerg* 24:356-72, 1964 (Fr)

## VAGUS NERVE

The effect of carotid occlusion and central vagal stimulation on the free fatty acids of plasma and the blood pressure in the dog. Fröberg S, et al. *Acta Med Scand* 178:65-71, Jul 64  
Neuroblastoma of nodose ganglion of infant vagus nerve. Rosedale RS. *Arch Otolaryng (Chicago)* 80:454-9, Oct 64

## VALINE

Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. Eisalo A, et al. *Ann Chir Gynaec Fenn* 53:389-93, 1964  
Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. Salzberg DA. *Cancer Res* 24:619-25, May 64  
Isoleucine and valine metabolism in *Escherichia coli*. XII. Characterization of a factor involved in acetolactate formation. Leavitt RI. *J Bact* 88:172-8, Jun 64  
Valine-isoleucine metabolism in *Acetobacter* suboxydants and the inhibition of growth by valine. Kerwar SS, et al. *J Bact* 88:179-86, Jul 64  
Isoleucine and valine metabolism in *Escherichia coli*. XII. Characterization of a factor involved in acetolactate formation. Leavitt RI. *J Bact* 88:172-8, Jun 64  
Valine-isoleucine metabolism in *Acetobacter* suboxydants and the inhibition of growth by valine. Kerwar SS, et al. *J Bact* 88:179-86, Jul 64  
Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relations between isoleucine and leucine for growth. Chance RE, et al. *J Nutr* 83:177-85, Jul 64  
Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. Van Reen R, et al. *J Nutr* 83:358-64, Aug 64

## VARICOCELE

Orbital varicocele. Jain BS, et al. *Brit J Ophthalmol* 48:232-3, Apr 64

## VARICOSE VEINS

A saline injection stripper for varicose veins. Lee M. *Brit Med J* 5414:939, 10 Oct 64  
The cause, prevention, and arrest of varicose veins. Dodd H. *Lancet* 2:809-11, 10 Oct 64  
The detection and surgery of varices of the lesser saphenous vein. Cheung YH, et al. *Vasc Dis* 1:212-3, Jul 64

## VASCULAR DISEASES

Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. Williams KR, et al. *Arch Surg (Chicago)* 89:663-5, Oct 64  
Prolonged arteriospasm after ergotamine. Cameron EA, et al. *Brit Med J* 5413:875-6, 3 Oct 64  
Is arterial puncture dangerous? *Brit Med J* 5416:1072, 24 Oct 64  
Study of renal vessels by microdissection in human transplantation. Darmady EM, et al. *Brit Med J* 5415:976-8, 17 Oct 64  
Aneurysm of a persistent primitive sciatic artery. Joffe N. *Clin Radiol* 15:286-90, Jul 64

Persistent axial or sciatic artery of the lower limb in association with hemihypertrophy. Wright FW. *Clin Radiol* 15:291-2, Jul 64  
Pathological findings in homocystinuria. Gibson JB, et al. *J Clin Path* 17:427-37, Jul 64  
Transient unilateral vascular occlusion associated with accidental ante-partum haemorrhage. Combrink PB. *J Obstet Gynaec Brit Comm* 71:461-3, Jun 64  
Vascular changes in renal homographs. Dunea G, et al. *JAMA* 190:199-202, 19 Sep 64  
Blood and bones. *Lancet* 2:740-1, 3 Oct 64  
Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. Harrison TS, et al. *New Eng J Med* 271:985-9, 5 Nov 64  
Symptomatic disseminated cystic medial necrosis. Report of a case with multiple arterial rupture. Read RC, et al. *New Eng J Med* 271:816-9, 15 Oct 64  
Current developments in ophthalmology. Fibrinolysis in retinal vascular occlusion. Blake J. *Proc Roy Soc Med* 57:493-4, Jun 64  
Clinical implications of inferior vena caval occlusion in pregnancy. Kerr MG. *Proc Roy Soc Med* 57:705-6, Aug 64  
The inferior vena cavaogram in pregnancy. Radiological aspects. Samuel E. *Proc Roy Soc Med* 57:702-4, Aug 64  
Inferior vena cava caval occlusion in late pregnancy. Scott DB. *Proc Roy Soc Med* 57:705, Aug 64  
The diagnosis and treatment of arterial injuries of the upper extremity. MacLean LD. *Surg Clin N Amer* 44:1037-47, Aug 64  
Effect of bronchial arterial infusion of mechlorethamine on pulmonary structure in the experimental animal. Hockman RP, et al. *Surg Forum* 15:194-6, 1964  
Massive venous occlusion of the lower extremity. Vasko JS, et al. *Surg Forum* 15:233-5, 1964  
Peripheral angiography: a clinical evaluation. Rose S. *Vasc Dis* 1:64-76, Jan 64  
[Clinico-experimental studies on the collateral arterial circulation of extremities] Kappert A. *Angiologica (Basel)* 1:227-38, 1964 (Ger)  
[Cardiologic emergencies in childhood] Heintzen P. *Deutsch Med Wschr* 89:1477-82, 31 Jul 64 (Ger)

## VASCULAR SURGERY

Femoropopliteal endarterectomy: operative modifications and consideration of effects of outflow lesions. Wylie EJ, et al. *Amer J Surg* 108:215-23, Aug 64  
A saline injection stripper for varicose veins. Lee M. *Brit Med J* 5414:939, 10 Oct 64  
Retinal artery embolism: a complication of carotid endarterectomy. Shillito J Jr, et al. *J Neurosurg* 20:718-20, Aug 63  
A dissector-clamp. Johnson HD. *Lancet* 2:737, 3 Oct 64  
Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Burton GW, et al. *Lancet* 2:782-5, 10 Oct 64  
Pulmonary embolism. A case successfully treated by embolectomy. Hayward J, et al. *Lancet* 2:771-6, 10 Oct 64  
Gradual closure of aortopulmonary septal defects. Reis RL, et al. *Surg Forum* 15:266-7, 1964  
Susceptibility of vascular sutures to infection in experimental bacteremia. Gonzalez LL, et al. *Surg Forum* 15:68-9, 1964  
Non-occlusive small arterial anastomosis with a neodymium laser. Yahr WZ, et al. *Surg Forum* 15:224-6, 1964  
Tissue reactions to methyl 2-cyanoacrylate (Eastman 910 monomer). Weissberg D, et al. *Surg Forum* 15:226-7, 1964  
Non-suture thrombus resistant vascular anastomosis rings for organ transplantation. Whiffen JD, et al. *Surg Forum* 15:218-9, 1964  
[Arterial injuries seen belatedly. Their management] Natali J, et al. *Presse Med* 72:2273-8, 23 Sep 64 (Fr)

## VASODILATOR AGENTS

Papillitis complicated by central retinal artery occlusion. Abrams JD. *Brit J Ophthalmol* 47:53, Jan 63  
Jaundice and 'Cardivir'. Cahal DA. *Lancet* 2:754, 3 Oct 64  
Cinephotomicrographic studies of the pial vasculature in the monkey and cat. Scratch GP, et al. *Surg Forum* 15:409-10, 1964  
Vasodilator material in ischemic tissues. Selby DM, et al. *Surg Forum* 15:232-3, 1964

## VASOMOTOR SYSTEM

Drug action on pulmonary circulation of unanesthetized dogs. Rudolph AM, et al. *Amer J Physiol* 206:1201-6, Jun 64  
Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64  
Reflex pulmonary vasoconstriction due to stimulation of the aortic body by nicotine. Stern S, et al. *Amer J Physiol* 206:1189-95, Jun 64  
Vascular manifestations of extensive thermal skin

injury in rat mesentery. Horn L, et al. *Amer J Physiol* 207:137-43, Jul 64  
Differential effects of heat on splenic and renal vascular beds. Gillenwater JY, et al. *Amer J Physiol* 207:133-6, Jul 64  
Abolition of autoregulation of renal blood flow by acetylcholine. Nahmod VE, et al. *Amer J Physiol* 207:123-7, Jul 64  
A proposed differentiated neuro-effector organization in muscle resistance vessels. Folkow B, et al. *Angiologica (Basel)* 1:197-208, 1964  
Peripheral vasoconstriction induced by emotional stress in rats. Solomon GF, et al. *Angiology* 15:362-5, Aug 64  
Autonomic changes during paroxysmal EEG activity. Johnson LC, et al. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64  
Effects of guanethidine, reserpine, and methylodopa on reflex venous and arterial constriction in man. Mason DT, et al. *J Clin Invest* 43:1449-63, Jul 64  
Clinical observations on respiratory and vasomotor disturbance as related to cervical cordotomies. Belmusto L, et al. *J Neurosurg* 20:225-32, Mar 63  
Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. Raynor RB, et al. *J Neurosurg* 20:94-6, Feb 63  
Bradykinin (a vasoactive polypeptide). Mitchell JC. *New Eng J Med* 271:1057-9, 12 Nov 64  
Vasodilator material in ischemic tissues. Selby DM, et al. *Surg Forum* 15:232-3, 1964

## VASOPRESSIN

Vasomotor function of smooth muscle in the main pulmonary artery. Somlyo AV, et al. *Amer J Physiol* 206:1196-200, Jun 64  
Isolated perfused bovine liver: responses to common vasoactive drugs. Condon RE, et al. *Arch Surg (Chicago)* 89:602-8, Oct 64  
Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. Dahl LK, et al. *Circulation* 30:Suppl 2:11-22, Aug 64  
Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. Feruglio FS, et al. *Clin Sci* 26:493-8, Jun 64  
Nutritional state and the effect of acute water loading in the hypophysectomized rat. Bauman JW Jr. *Endocrinology* 74:1001-3, Jun 64  
Inhibition of vasopressin release in rats by chlorpromazine and reserpine. Moses AM. *Endocrinology* 74:889-93, Jun 64  
Treatment of diabetes insipidus: synthetic lysine vasopressin nasal solution. Dingman JF, et al. *J Clin Endocr* 24:550-3, Jun 64  
Pituitary diabetes insipidus associated with progressive urinary tract dilatation. Wheeler JS, et al. *J Urol* 92:64-7, Jul 64  
Pyelo-ileo-cystostomy in pitressin-resistant diabetes insipidus. Madsen PO, et al. *J Urol* 92:68-71, Jul 64  
Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. Cort JH, et al. *Lancet* 2:840-1, 17 Oct 64  
Inappropriate secretion of vasopressin. Lee J, et al. *Lancet* 2:792-3, 10 Oct 64  
Antidiuretic effect of dehydroepiandrosterone. Sonka J, et al. *Lancet* 2:649-50, 19 Sep 64  
Bronchogenic carcinoma with inappropriate antidiuretic activity in plasma and tumor. Bower BF, et al. *New Eng J Med* 271:934-8, 29 Oct 64  
Diuresis following administration of the antidiuretic hormone. Boba A, et al. *Surg Forum* 15:20-1, 1964  
Correction of the renal concentrating defect in hemorrhagic shock. Wright HK, et al. *Surg Forum* 15:18-20, 1964  
Hemodynamic effects of pitressin infusion during gastroesophageal hemorrhage. Coomaraswamy RP, et al. *Surg Forum* 15:116-8, 1964  
Vasopressin and gastric secretion. Lawson LJ, et al. *Surg Forum* 15:118-20, 1964  
[Hormone therapy of cerebral edema in cerebrovascular accidents] Façon E, et al. *Presse Med* 72:2377-9, 3 Oct 64 (Fr)

## VATER'S AMPULLA

Results of surgery in the treatment of stenosis of the sphincter of Oddi. Autio V, et al. *Ann Chir Gynaec Fenn* 53:328-37, 1964  
The evaluation of sphincter of Oddi function. Sitnick JL, et al. *Surg Forum* 15:373-5, 1964

## VECTORCARDIOGRAPHY

The S1, S2, S3 syndrome in chronic pulmonary disease. Pryor R. *Dis Chest* 46:226, Aug 64  
The QRS vectorcardiogram in congenital heart disease during the first year of life. A new diagnostic vectorcardiographic technique. Calleja HB, et al. *Dis Chest* 46:198-204, Aug 64  
Vectorcardiographic and ventricular pressure studies



in utero and after birth using a special surgical technique. Idriss FS, et al. *Surg Forum* 15:389-91, 1964

## VEGETABLES

The significance of leaf vegetables, especially of cassava, in tropical nutrition. Terra GJ. *Trop Geogr Med* 16:97-108, Jun 64  
[Methemoglobinemia in young infants caused by nitrite-containing spinach] Hölischer PM, et al. *Deutsch Med Wschr* 89:1751-4, 11 Sep 64 (Ger)

## VEILLONELLA

Succinic acid degradation by *Veillonella alcalescens*. Yousten AA, et al. *J Bact* 87:1527-8, Jun 64  
The genus *Veillonella*. 3. Hydrogen sulfide production by growing cultures. Rogosa M, et al. *J Bact* 88:37-41, Jul 64  
Succinic acid degradation by *Veillonella alcalescens*. Yousten AA, et al. *J Bact* 87:1527-8, Jun 64

## VEINS

Effects of guanethidine, reserpine, and methyl dopa on reflex venous and arterial constriction in man. Mason DT, et al. *J Clin Invest* 43:1449-63, Jul 64  
Venous replacement with synthetic graft covered with canine pseudointima. Inokuchi K, et al. *Lancet* 2:700, 20 Sep 64

## VENA CAVA, INFERIOR

Abdominal aortic aneurysm with vena caval fistula. Report of a case with observations on an unusual clinical course. Vander Veer JB, et al. *Arch Intern Med* (Chicago) 114:551-4, Oct 64  
Non-surgical retrieval of a broken segment of steel spring guide from the right atrium and inferior vena cava. Thomas J, et al. *Circulation* 30:106-8, Jul 64  
Resection and ligation of the suprarenal inferior vena cava. Caplan BB, et al. *J Urol* 92:25-9, Jul 64  
Venous replacement with synthetic graft covered with canine pseudointima. Inokuchi K, et al. *Lancet* 2:700, 20 Sep 64  
Inferior vena cava caval occlusion in late pregnancy. Scott DB. *Proc Roy Soc Med* 57:705, Aug 64  
Clinical implications of inferior vena caval occlusion in pregnancy. Kerr MG. *Proc Roy Soc Med* 57:705-6, Aug 64  
The inferior vena cavaogram in pregnancy. Radiological aspects. Samuel E. *Proc Roy Soc Med* 57:702-4, Aug 64  
Effect of venous stasis on long bone growth in the dog. Keck SW, et al. *Surg Forum* 15:443-4, 1964

## VENA CAVA, SUPERIOR

Cardiopulmonary dynamics in patients with anastomosis of the superior vena cava to the right pulmonary artery. Canent RV Jr, et al. *Circulation* 30:47-54, Jul 64  
Total bypass of the superior vena cava into both lungs. Haller JA Jr, et al. *Surg Forum* 15:264-5, 1964

## VENOMS

Biologic relationship of endotoxin and other toxic proteins. IV. Effect of heparin on endotoxin-induced hypersusceptibility to snake venoms. Condie RM, et al. *Proc Soc Exp Biol Med* 116:696-701, Jul 64

## VENTRICULAR FIBRILLATION

Quinidine syncope. Paroxysmal ventricular fibrillation occurring during treatment of chronic atrial arrhythmias. Selzer A, et al. *Circulation* 30:17-26, Jul 64  
Complications of direct-current countershock. *JAMA* 190:465, 2 Nov 64  
Ventricular tachycardia after synchronized direct-current countershock. Graf WS, et al. *JAMA* 190:470-1, 2 Nov 64  
Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. Mouloupoulos S, et al. *New Eng J Med* 271:895-7, 22 Oct 64  
Relationship between acidosis and ventricular fibrillation. Gerst PH, et al. *Surg Forum* 15:242-3, 1964

## VENTRICULOGRAPHY

The radiology of masses lying within and adjacent to the tentorial hiatus. Zingesser LH, et al. *Brit J Radiol* 37:486-510, Jul 64  
Colloid cyst of third ventricle. An electron microscopic study. Cox WS, et al. *J Neuropath Exp Neurol* 23:431-45, Jul 64  
Neurosurgical classic. VII. Wilkins RH. *J Neurosurg* 20:450-8, May 63  
Fractional cisternal pneumoencephalography in 100 patients with intracranial space-consuming lesions. Keegan HR, et al. *J Neurosurg* 20:318-20, Apr 63  
Electrocardiographic alterations observed during

fractional pneumoencephalography. Davie JC. *J Neurosurg* 20:321-8, Apr 63  
A simplified method for the pneumoencephalographic demonstration of the fourth ventricle and aqueduct of Sylvius. Johnston JD, et al. *J Neurosurg* 20:81-3, Jan 63  
Neurosurgical classic. VIII. Wilkins RH. *J Neurosurg* 20:531-6, Jun 63  
Neuroradiology. Sutton D. *Practitioner* 193:89-95, Jul 64  
Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Phillips TL, et al. *Radiology* 83:98-105, Jul 64  
Emulsified pantopaque for cerebral ventriculography. Markesbery W, et al. *Surg Forum* 15:419-21, 1964

## VERATRUM

Management of critical and chronic hypertension. Mozan AA, et al. *Industr Med Surg* 33:556-9, Aug 64

## VERTEBRAL ARTERY

Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM. *Brit Med J* 5417:1104-7, 31 Oct 64  
Basilar artery deficiency. *Brit Med J* 541:1086-7700, 31 Oct 64  
Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. Phillips BM. *Brit Med J* 5417:1104-7, 31 Oct 64  
Quantitative measurement of cephalic blood flow in the monkey. Symon L, et al. *J Neurosurg* 20:199-218, Mar 63  
The quantities of sodium diazotate in cerebral vessels during arteriography. Kutt H, et al. *J Neurosurg* 20:515-9, Jun 63  
Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. Gurdjian ES, et al. *J Neurosurg* 20:418-27, May 63  
Recurrent cerebral ischaemia. *Lancet* 2:799-800, 10 Oct 64

## VERTIGO

Living without a balancing mechanism. Crawford J. *Brit J Ophthalmol* 48:357-60, Jul 64  
Epidemic vertigo. James T. *S Afr Med J* 38:709-10, 29 Aug 64

## VESICOVAGINAL FISTULA

Reconstruction of the urethra. Moir JC. *J Obstet Gynaec Brit Comm* 71:349-59, Jun 64

## VESICULAR STOMATITIS VIRUS

Stress and susceptibility to viral infections. 3. Antibody response and viral retention during avoidance learning stress. Yamada A, et al. *Proc Soc Exp Biol Med* 116:677-80, Jul 64

## VESTIBULAR APPARATUS

The vestibular Coriolis reaction. Fernandez C, et al. *Arch Otolaryng (Chicago)* 80:469-72, Oct 64  
Vestibular mechanism, motion sickness, and drug therapy. Experimental and clinical evaluations. Rubin W. *Arch Otolaryng (Chicago)* 80:431-9, Oct 64  
Sudden loss of vestibular function after irrigation of the ear. Peitersen E. *J Laryng* 78:494-6, Jul 64

## VESTIBULAR NERVE

The ototoxicity of chloroquine phosphate. Hart CW, et al. *Arch Otolaryng (Chicago)* 80:407-12, Oct 64  
Living without a balancing mechanism. Crawford J. *Brit J Ophthalmol* 48:357-60, Jul 64

## VETERINARY MEDICINE

Lower animals, spontaneous disease, and man. Leader RW. *Arch Pathol (Chicago)* 78:390-404, Oct 64  
Spontaneous uterine cancer in animals. Cotchin E. *Brit J Cancer* 18:209-27, Jun 64  
The treatment of malignant tumours of bone in the dog by intra-arterial injection or perfusion of epodol (triethyleneglycol diglycidyl ether). Owen LN. *Brit J Cancer* 18:407-18, Jun 64  
Genetic aspects of cardiovascular diseases in animals. Detweiler DK. *Circulation* 30:114-27, Jul 64

## VIRAL VACCINES

Dosages of various trivalent and monovalent adenovirus vaccines in the prophylaxis of acute respiratory illness. Stille WT, et al. *Amer J Hyg* 80:121-34, Jul 64  
Antibody response in splenectomized monkeys. Saslaw S, et al. *Proc Soc Exp Biol Med* 116:738-42, Jul 64

## VIRILISM

Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. Prunty FT, et al. *Proc Roy Soc Med* 57:529-32, Jun 64  
Varieties of adrenal hyperplasia in children. Barratt TM, et al. *Proc Roy Soc Med* 57:527-9, Jun 64

## VIRUS CULTIVATION

Studies with cultured brown adipose tissue. II. Influence of low temperature on rabies virus infection in bat brown fat. Allen R, et al. *Amer J Hyg* 80:25-32, Jul 64  
Virus biographies. I. Growth of West Nile and Guaroa viruses in tissue culture. Southam CM, et al. *J Bact* 88:187-99, Jul 64  
Plaque assay procedure for Colorado tick fever virus. Deig EF, et al. *J Bact* 88:43-7, Jul 64  
Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. Piraino F, et al. *J Bact* 87:1503-11, Jun 64  
Plaque assay procedure for Colorado tick fever virus. Deig EF, et al. *J Bact* 88:43-7, Jul 64  
Virus biographies. I. Growth of West Nile and Guaroa viruses in tissue culture. Southam CM, et al. *J Bact* 88:187-99, Jul 64  
Applicability of the HeLa (Gey) strain of human malignant epithelial cells to the propagation of arboviruses. Buckley SM. *Proc Soc Exp Biol Med* 116:354-8, Jun 64

## VIRUS DISEASES

A pilot study of acute respiratory illnesses on a college campus. Kapikian AZ, et al. *Amer Rev Resp Dis* 90:175-82, Aug 64  
Virus aetiology of Behçet's syndrome. Mortada A, et al. *Brit J Ophthalmol* 48:250-9, May 64  
Protection of mice by interferon against systemic virus infections. Finter NB. *Brit Med J* 5415:981-5, 17 Oct 64  
Future management of infectious diseases. Ramsay AM, et al. *Brit Med J* 5415:1004-5, 17 Oct 64  
Inclusion-bearing cells in urinary sediment in infectious diseases. Boyd JF, et al. *J Path Bact* 88:115-24, Jul 64  
Comparison of a lactate dehydrogenase elevating virulike agent and Eperythrozoon coccoides. Riley V, et al. *Proc Soc Exp Biol Med* 116:486-90, Jun 64  
Stress and susceptibility to viral infections. 3. Antibody response and viral retention during avoidance learning stress. Yamada A, et al. *Proc Soc Exp Biol Med* 116:677-80, Jul 64  
[On the morphology of acute hyperpyretic toxicosis in the older infant] Müller G. *Deutsch Med Wschr* 89:1828-31, 25 Sep 64 (Ger)

## VIRUSES

Estimation of the number of infectious bacterial or viral particles by the dilution method. Seligman SJ, et al. *J Bact* 88:31-6, Jul 64  
Thoughts on future contributions of virology to medicine. Enders JF. *New Eng J Med* 271:969-75, 5 Nov 64

## VISCOSITY

Recording viscometer for nonhomogeneous biological fluids. Dworkin BR, et al. *J Appl Physiol* 19:798-800, Jul 64

## VISION

Visual prognosis of proliferating diabetic retinopathy. Beetham WP. *Brit J Ophthalmol* 47:611-9, Oct 63  
Posterior peripheral (eccentric) lenticonus: with a note on the evolution of lenticoni. Nath K, et al. *Brit J Ophthalmol* 47:760-3, Dec 63  
Results of surgical treatment of pituitary adenoma. The factor of the excessively enlarged sella. Svien HJ, et al. *J Neurosurg* 20:669-74, Aug 63

## VISION TESTS

Visual acuity thresholds in amblyopes. Saiduzzafar H, et al. *Brit J Ophthalmol* 47:153-63, Mar 63  
Stimulation of normal binocular vision while treating strabismus by the localization method. Starkiewicz W, et al. *Brit J Ophthalmol* 47:728-35, Dec 63  
Refraction anomalies in Tanganyikan children. Johnstone WW, et al. *Brit J Ophthalmol* 47:95-108, Feb 63

## VISUAL FIELDS

Bitemporal of the visual fields due to an ocular cause. Berry H. *Brit J Ophthalmol* 47:441-4, Jul 63  
Effects of transient induced elevation of the intra-ocular pressure on the visual field. Tsampanlakis JC. *Brit J Ophthalmol* 48:237-48, May 64  
Examination of the central portion of the visual fields at the bedside: a method of increased accuracy of assessment of the central 30 degrees vision on



confrontation. Berry H.  
*Brit J Ophthal* 47:435-40, Jul 63

## VISUAL PERCEPTION

Cortical evoked responses to visual stimulation in full-term and premature newborns. Hrbeek A, et al.  
*Electroenceph Clin Neurophysiol* 18:575-81, Jun 64

## VITAL STATISTICS

Season of birth in schizophrenics; its relation to social class. Barry H 3d, et al.  
*Arch Gen Psychiat* (Chicago) 11:385-91, Oct 64  
 Tabulation of vital records by computer. Gittelssohn AM, et al. *Public Health Rep* 79:895-904, Oct 64  
 Considerations in using social security numbers on birth certificates for research purposes. Bahn AK, et al. *Public Health Rep* 79:937-8, Oct 64

## VITAMIN A DEFICIENCY

Electroretinographic changes in undernourished children. Khetarpal SK.  
*Brit J Ophthal* 48:154-7, Mar 64

## VITAMIN B COMPLEX

Carnitine effects on palmitate-1-C-14 conversion to CO<sub>2</sub> and glycerides by various tissues. Fritz IB.  
*Amer J Physiol* 208:1217-22, Jun 64  
 Herpes zoster ophthalmicus in an 8-year-old child. Birks DA. *Brit J Ophthal* 47:60-1, Jan 63  
 The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. Bressler R, et al. *J Biol Chem* 239:1364-8, May 64

## VITAMIN B 12

Is the vitamin B 12 treatment of pernicious anemia a predisposing factor for thromboses in aged patients? Klemetti L. *Acta Med Scand* 176:121-2, Jul 64  
 Intestinal absorption of intrinsic factor and B12-intrinsic factor complex. Boass A, et al.  
*Amer J Physiol* 207:27-32, Jul 64  
 Bacterial changes in the small intestine in malabsorptive states and in pernicious anaemia. Delliplani AW, et al. *Clin Sci* 26:359-74, Jun 64  
 Cyanide encephalopathy in man? Smith AD.  
*Lancet* 2:868-70, 20 Sep 64  
 The treatment of cerebrovascular insufficiency by intravenous procaine and antihistamine compound. Rosner S. *Vasc Dis* 1:214-5, Jul 64

## VITAMIN B 12 DEFICIENCY

Bleed bypass in lowering high cholesterol levels. Buchwald H, et al. *Surg Forum* 15:289-91, 1964

## VITAMIN D

Role of phosphate in treatment of renal tubular (hypophosphataemic) rickets and osteomalacias. Rose GA. *Brit Med J* 5413:857-61, 3 Oct 64  
 Long-term treatment of vitamin-D resistant rickets. Pierce DS, et al.  
*J Bone Joint Surg [Amer]* 46:978-97, Jul 64  
 A guide to the adequacy of therapy in resistant rickets due to familial or essential hypophosphatemia. Stearns G. *J Bone Joint Surg [Amer]* 46:959-64, Jul 64  
 Treatment of vitamin-D resistant rickets. A long-term evaluation of its effectiveness. Stamp WG, et al.  
*J Bone Joint Surg [Amer]* 46:965-77, Jul 64  
 Atypical vitamin-D-resistant osteomalacia. Report of a case. Yoshikawa S, et al.  
*J Bone Joint Surg [Amer]* 46:998-1007, Jul 64  
 Vitamin-D resistant rickets. A long-term clinical study of 11 patients. Tapia J, et al.  
*J Bone Joint Surg [Amer]* 46:935-58, Jul 64  
 Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. Kuhlman RE, et al.  
*J Lab Clin Med* 64:14-20, Jul 64

## VITAMIN D DEFICIENCY

Wernicke's syndrome treated with parenteral and oral chlorthalidoxepoxide. Doeff JW, et al.  
*Amer J Psychiat* 121:183, Aug 64

## VITAMIN D 2

Effects of parathyroid extract, calciferol, hylakerol and crystalline dihydrotachysterol on feed consumption in normal lactating rats. Djojoseobagio S, et al. *Proc Soc Exp Biol Med* 116:646-8, Jul 64

## VITAMIN D 3

The intermediary role of delta-5,7-cholesta-3,5-dien-3-ol in cholesterol biosynthesis. Dempsey ME, et al.  
*J Biol Chem* 239:1361-7, May 64  
 Effect of 22,25-diazacholestanol on synthesis of

cholesterol by rat liver homogenates. Dvornik D, et al. *Proc Soc Exp Biol Med* 116:537-9, Jun 64

## VITAMIN E

Effect of linoleic acid on nutritional muscular dystrophy in the chick. Calvert CC, et al.  
*J Nutr* 83:307-13, Aug 64  
 Biopotency of l-alpha-tocopheryl acetate for the rat. Witting LA, et al.  
*Proc Soc Exp Biol Med* 116:655-8, Jul 64

## VITAMIN E DEFICIENCY

Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. Sarkar NK, et al. *J Nutr* 83:193-201, Jul 64  
 Effects of in vivo hyperoxia on erythrocytes. 1. Hemolysis in mice exposed to hyperbaric oxygenation. Mengel CE, et al.  
*Proc Soc Exp Biol Med* 116:259-61, Jun 64

## VITAMIN K

Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred. O'Reilly RA, et al.  
*New Eng J Med* 271:809-15, 15 Oct 64

## VITAMIN K DEFICIENCY

Vitamin-K deficiency in early pregnancy. Bailey P.  
*Brit Med J* 5418:1199, 7 Nov 64

## VITAMINS

Influence of diet on blood serum lipids in pregnant women and newborn infants. Hansen AE, et al.  
*Amer J Clin Nutr* 15:11-9, Jul 64

## VITILIGO

S-adenosylmethionine in skin. Bamshad J, et al.  
*J Invest Derm* 43:115-7, Aug 64  
 Catechol O-methyl transferase in skin. Bamshad J, et al.  
*J Invest Derm* 43:111-3, Aug 64

## VITREOUS BODY

Allergic response of retinal vessel 6. After intravitreal foreign protein. Mutlu F, et al.  
*Arch Ophthal* (Chicago) 72:513-20, Oct 64  
 Malignant melanoma of the choroid of a peculiar cavernous type. Clinical manifestation by hemorrhage of the vitreous body. Jensen OA.  
*Arch Ophthal* (Chicago) 72:337-40, Sep 64  
 Acquired acanthocytosis and myelophthisis in a case of Eales's disease. Kahán A, et al.  
*Brit J Ophthal* 47:632-7, Oct 63  
 Studies on the mechanism of retinal neovascularization. Role of lactic acid. Imre G.  
*Brit J Ophthal* 48:75-82, Feb 64  
 Erythrocytic anomalies in hereditary vitreo-retinal degeneration (degeneratio hyaloideoretinalis). Kahán A, et al. *Brit J Ophthal* 47:620-31, Oct 63  
 Vitreous detachment in aphakic eyes. Hauer Y, et al.  
*Brit J Ophthal* 48:341-3, Jun 64  
 Experimental and clinical observations on the echograms in vitreous haemorrhages. Oksala A.  
*Brit J Ophthal* 47:65-70, Feb 63

## VOCAL CORDS

Chronaxie of the vocal folds of the dog. Hast MH.  
*Ann Otol* 73:305-11, Jun 64

## VOMITING

Surgical management of massive gastrointestinal hemorrhage from cardioesophageal lacerations. Grimes OF. *Amer J Surg* 108:285-96, Aug 64  
 Thiethylperazine in the management of postoperative nausea and vomiting. Paddock RB.  
*J Int Coll Surg* 42:387-95, Oct 64  
 On the mechanism of emesis induced by 5-hydroxytryptamine. Cahen RL.  
*Proc Soc Exp Biol Med* 116:402-4, Jun 64  
 Hypokalemic nephropathy of vomiting. Galloway NC, et al. *Southern Med J* 57:1303-8, Nov 64

## VULVAR NEOPLASMS

Paget's disease of the vulva associated with an unusual bladder tumour. Kay JM, et al.  
*Brit J Cancer* 18:233-7, Jun 64  
 Nerve Tumours of the vulva. Case report and commentary. Pece G.  
*J Obstet Gynaec Brit Comm* 71:643-5, Aug 64

## WAR

The doctor and the soldier. Fergusson B.  
*New Zeal Med J* 63:407-12, Jul 64

## WARFARIN

Lack of enhanced lysis of fibrinogen-I-131 by anticoagulants in tumor-bearing rats. Shaeffer JR.  
*Amer J Physiol* 206:1251-4, Jun 64  
 Cancer incidence and mortality in patients having anticoagulant therapy. Michaels L.  
*Lancet* 2:832-5, 17 Oct 64  
 Plasma-fibrinogen levels after long-term warfarin therapy. Nakamura RM, et al. *Lancet* 2:821-2, 10 Oct 64  
 Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred. O'Reilly RA, et al.  
*New Eng J Med* 271:809-15, 15 Oct 64

## WARTS

Dermatologic care of the painful foot. Montgomery RM.  
*J Bone Joint Surg [Amer]* 46:1129-36, Jul 64

## WATER

Effect of aldosterone and cortisol on sodium and water content of the rat kidney. Kessler E, et al.  
*Amer J Physiol* 207:109-12, Jul 64  
 Effect of ionic environment on metabolism and structure of rat kidney slices. Gordon EE, et al.  
*Amer J Physiol* 207:71-6, Jul 64  
 Transfer of water from maternal blood to amniotic fluid of live and dead fetuses in health and in some pathological conditions of the mother. A study with tritium-labelled water. Tervilä L.  
*Ann Chir Gynaec Fenn* 53:Suppl 131:1-69, 1964  
 Gastric secretory activity using the Kay and Hunt test meal methods. Aylett P, et al. *Clin Sci* 28:351-7, Jun 64  
 Nutritional state and the effect of acute water loading in the hypophysectomized rat. Bauman JW Jr.  
*Endocrinology* 74:1001-3, Jun 64  
 Stimulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. Urquhart J, et al. *J Clin Invest* 43:1355-66, Jul 64  
 The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. Dzawachiszwill N, et al. *J Invest Derm* 43:103-9, Aug 64

## WATER-ELECTROLYTE BALANCE

Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. Elsaló A, et al.  
*Ann Chir Gynaec Fenn* 53:389-93, 1964  
 Avoidance of side-reactions and loss of drug efficacy during long-term administration of carbonic anhydrase inhibitors by concomitant supplemental electrolyte administration. Draeger J, et al.  
*Brit J Ophthal* 47:457-68, Aug 63  
 Loss and gain in burns. *Brit Med J* 541:1090700, 31 Oct 64  
 Valve of fluid and electrolyte supplements in subacute survival situations. Rogers TA, et al.  
*J Appl Physiol* 19:580-2, Jul 64  
 Body fluids and electrolytes after prolonged cardiopulmonary bypass. Brinsfield D, et al.  
*J Appl Physiol* 19:586-70, Jul 64  
 Effects of infusion of hypertonic mannitol on electrolyte balance and on osmolality of serum and cerebrospinal fluid. Wise BL.  
*J Neurosurg* 20:961-7, Nov 63  
 Effects of urea and other dehydrating agents upon dog brain. Goldstein SL, et al.  
*J Neurosurg* 21:672-7, Aug 64  
 Pancreatic adenoma with intractable diarrhea, hypokalemia, and hypercalcemia. Brown CH, et al.  
*JAMA* 190:30-4, 5 Oct 64  
 Water retention due to oxytocin. Potter RR.  
*Obstet Gynec* 23:699-702, May 64  
 Hypertension and the kidney. Peart WS.  
*Practitioner* 193:14-26, Jul 64  
 Internal fluid shifts secondary to intraperitoneal nitrogen mustard. Brown FE, et al.  
*Surg Forum* 15:386-7, 1964  
 [The Achilles reflexogram in thyroid disorders and in electrolyte metabolism disorders] Kissel P, et al. *Presse Med* 72:2201-4, 19 Sep 64 (Fr)  
 [Acute hyperpyretic toxicosis in the older infant. A contribution to the problem of sudden death in childhood] Riegel K, et al.  
*Deutsch Med Wochr* 89:1821-8, 25 Sep 64 (Ger)

## WATER INTOXICATION

Acute water-intoxication from compulsive water-drinking. Bewley TH.  
*Brit Med J* 5413:864, 3 Oct 64  
 Water metabolism and the psychiatric patient. Murphy FJ, et al. *J Urol* 92:80-3, Jul 64  
 Water retention due to oxytocin. Potter RR.  
*Obstet Gynec* 23:699-702, May 64

## WATER MICROBIOLOGY

[Inactivation by ozone of the poliovirus present in water] Colin L, et al. *Presse Med* 72:2153-6, 12 Sep 64 (Fr)



## WATER POLLUTION

- Local and multi-state water pollution control programs. Tongue RE.  
*Arch Environ Health* (Chicago) 9:668-72, Nov 64  
 Regional water pollution control resources. Everts CM.  
*Arch Environ Health* (Chicago) 9:673-7, Nov 64  
 Pesticides as contaminants. West I.  
*Arch Environ Health* (Chicago) 9:626-33, Nov 64  
 Present and future water pollution technical problems. Anderson GW.  
*Arch Environ Health* (Chicago) 9:678-82, Nov 64  
 Relation of water pollution to health. Wilbar CL Jr.  
*Arch Environ Health* (Chicago) 9:664-7, Nov 64  
 Babies' intake of strontium. Widdowson EM, et al.  
*Lancet* 2:753-4, 3 Oct 64  
 AMA congress on environmental health problems. Public Health Rep 70:889-94, Oct 64

## WATER SUPPLY

- [Adaptation of the nomads of the Western Sahara to salt water. A scientific mission to Cape Yubi] Paque C. *Presse Med* 72:2417-20, 3 Oct 64 (Fr)

## WEGENER'S GRANULOMATOSIS

- Two unusual cases of giant cell myocarditis associated with mitral stenosis and with Wegener's syndrome. McCreia PC, et al. *Brit Heart J* 26:490-8, Jul 64

## WEIGHTLESSNESS

- Renal hemodynamics: effect of gravity on sodium and water excretion. Stahl WM. *Surg Forum* 15:13-4, 1964

## WEIL'S DISEASE

- Fatal leptospirosis icterohaemorrhagica induced by ethionine in albino rats. Bertók L, et al.  
*J Path Bact* 88:329-31, Jul 64  
 Leptospirosis. S Afr Med J 38:692-4, 29 Aug 64  
 First isolations of leptospirae in cape town. Rademan J, et al. S Afr Med J 38:694-6, 29 Aug 64  
 Fatal Weil's disease with myocarditis in South Africa. Thomson JG. S Afr Med J 38:696-700, 29 Aug 64  
 The occurrence of leptospirosis on Curaçao (Neth. Antilles). Vinke B, et al.  
*Trop Geogr Med* 16:167-9, Jun 64

## WHOOPIING COUGH

- Spontaneous spinal epidural hematoma coincident with whooping cough. Case report. Jackson FE.  
*J Neurosurg* 20:715-7, Aug 63  
 [Parapertussis] Simon C.  
*Deutsch Med Wochr* 89:1733-9, 11 Sep 64 (Ger)  
 [Life-threatening naphthalene poisoning in an infant due to Vaporin vapors] Hanssler H.  
*Deutsch Med Wochr* 89:1794-7, 18 Sep 64 (Ger)

## WOLFF-PARKINSON-WHITE SYNDROME

- ECG changes after cerebral stimulation. I. Anomalous atrioventricular excitation elicited by electrical stimulation of the mesencephalic reticular formation. Mauck HP Jr, et al.  
*Amer Heart J* 68:98-101, Jul 64

## WORKMEN'S COMPENSATION

- Socioeconomic aspects of the pneumoconioses. Trasko VM. *Arch Environ Health* (Chicago) 9:521-8, Oct 64

## WOUND HEALING

- Corneal wound healing. II. An autoradiographic study of the cellular components. Robb RM, et al.  
*Arch Ophthal* (Chicago) 72:401-8, Sep 64  
 The healing of right ventricular incisions. Williams AW, et al. *J Path Bact* 88:197-201, Jul 64  
 'Orabase' in the management of abdominal-wall digestion by ileostomy and fistulas. Sircus W. *Lancet* 2:762, 3 Oct 64  
 On the granulation of wounds. Grossman AR.  
*Plast Reconstr Surg* 34:199, Aug 64  
 Vascular destruction and revascularization in severe thermal injuries. Order SE, et al.  
*Surg Forum* 15:37-9, 1964  
 Influence of thyroxine on the ribosomal synthesis of collagen. Malt RA, et al. *Surg Forum* 15:54-5, 1964  
 Wound healing defect in lathyrism. Berberian GM, et al.  
*Surg Forum* 15:50-2, 1964  
 Studies on wound contraction. Phillips JL, et al.  
*Surg Forum* 15:56-8, 1964

- Effect of the intestinal bacteria on recovery from burn injury. Rosoff CB. *Surg Forum* 15:39-41, 1964

## WOUND INFECTION

- Infections of the hand. Entin MA.  
*Surg Clin N Amer* 44:981-93, Aug 64  
 The mechanism and treatment of verdoglobulinuria in *Pseudomonas* sepsis. Stone HH, et al.  
*Surg Forum* 15:48-9, 1964  
*Pseudomonas* vaccine and hyperimmune plasma in the treatment of burned patients. Feller I, et al.  
*Surg Forum* 15:46-7, 1964  
 Cyanide production by *Pseudomonas aeruginosa*. Goldfarb WB, et al. *Surg Forum* 15:467-9, 1964  
 Vascular destruction and revascularization in severe thermal injuries. Order SE, et al.  
*Surg Forum* 15:37-9, 1964  
 Lymphatic flora in third degree burns. DeWitt RJ, et al.  
*Surg Forum* 15:41-3, 1964

## WOUNDS AND INJURIES

- Epidemiology of disability after work injuries. Abramson JH, et al.  
*Arch Environ Health* (Chicago) 9:572-80, Nov 64  
 Epidemiology of disabling work injuries in Israel. Mann KJ, et al.  
*Arch Environ Health* (Chicago) 9:505-13, Oct 64  
 Problems of anesthesia for orthopedic procedures. Tovell RM, et al. *J Int Coll Surg* 42:429-37, Oct 64  
 A study of chromatolysis in dorsal root ganglia at the cellular level. Mackey EA, et al.  
*J Neuropath Exp Neurol* 23:508-26, Jul 64  
 The effect of cortisol on mitosis in the skin of the mouse. Davis JC. *J Path Bact* 88:247-54, Jul 64

## WOUNDS, GUNSHOT

- Metallic foreign body in the maxillary sinus. Kozlowski K, et al. *Lancet* 2:698, 20 Sep 64

## WRIST

- Reconstruction of congenital aplasia of radial component. Entin MA.  
*Surg Clin N Amer* 44:1091-105, Aug 64

## WRIST INJURIES

- Neurosurgical disorders affecting the hand. Feindel W. *Surg Clin N Amer* 44:1031-6, Aug 64

## WRITING

- How to smother an idea. Proetz AW.  
*Ann Otol* 73:364-9, Jun 64

## WUCHERERIA

- The heparinized capillary tube as an epidemiologic tool. II. Concentration of blood parasites by centrifugation. Worth RM. *Amer J Hyg* 80:70-4, Jul 64

## XANTHENES

- Effects of hypoxia on iron absorption and mobilization in the rat. Strohmeyer GW, et al.  
*Amer J Physiol* 207:55-61, Jul 64

## XANTHINE OXIDASE

- Effects of hypoxia on iron absorption and mobilization in the rat. Strohmeyer GW, et al.  
*Amer J Physiol* 207:55-61, Jul 64  
 The absorption spectra of iron-flavoproteins. Rajagopalan KV, et al. *J Biol Chem* 239:1509-14, May 64

## XANTHINES

- Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. Bunag RD, et al.  
*Circ Res* 15:83-8, Jul 64

## XANTHOMATOSIS

- Essential hypercholesterolaemic xanthomatosis. Roper BW. *Brit Med J* 5415:990-1, 17 Oct 64  
 Myelinic figures in lepra cells examined by phase-contrast and electron microscopy. Nishlura M, et al. *Int J Leprosy* 32:45-52, Jan-Mar 64

## XANTHURENATES

- Mouse bladder carcinogenicity of certain tryptophan

- metabolites and other aromatic nitrogen compounds suspended in cholesterol. Bryan GT, et al.  
*Cancer Res* 24:596-602, May 64  
 In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. Bryan GT, et al. *Cancer Res* 24:586-95, May 64  
 Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Bryan GT, et al.  
*Cancer Res* 24:582-5, May 64  
 The excretion of oxalic acid following deoxyripyridoxine and tryptophan administration in mongoloid and nonmongoloid subjects. McCoy EE, et al.  
*J Pediat* 65:208-14, Aug 64

## XENON

- Measurement of myocardial blood flow in animals and man by selective injection of radioactive inert gas into the coronary arteries. Ross RS, et al.  
*Circ Res* 15:28-41, Jul 64  
 Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. Holzman GB, et al. *Circulation* 30:27-34, Jul 64

## XYLOSE

- Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. Rieser P, et al.  
*Proc Soc Exp Biol Med* 116:669-71, Jul 64

## YEASTS

- The lactic dehydrogenases of yeast. IV. D-alpha-Hydroxy acid dehydrogenase. Cremona T. *J Biol Chem* 239:1467-65, May 64

## YTTRIUM ISOTOPES

- Percutaneous interruption of spinal-pain tracts by means of a strontium90 needle. Mullan S, et al. *J Neurosurg* 20:931-9, Nov 63  
 A nuclear needle for use in neurosurgery. Mullan S, et al. *J Neurosurg* 20:940-7, Nov 63

## ZEIN

- The effect of soil fertilization practices on the total protein and zein content of maize. Quicke GV, et al. S Afr Med J 38:645-8, 22 Aug 64

## ZINC

- The lactic dehydrogenases of yeast. V. Chemical properties and function of the zinc component of D-lactic cytochrome reductase. Cremona T, et al. *J Biol Chem* 239:1466-73, May 64  
 Divalent metal ion activation of beta-methylaspartase. Williams VR, et al. *J Biol Chem* 239:1635-9, May 64  
 Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. Forbes RM. *J Nutr* 83:225-33, Jul 64  
 Use of Japanese quail for the study of zinc deficiency. Fox MR, et al. *Proc Soc Exp Biol Med* 116:256-9, Jun 64

## ZOLLINGER-ELLISON SYNDROME

- Roentgenographic observations in the Zollinger-Ellison syndrome. Amberg JR, et al. *JAMA* 190:185-7, 19 Sep 64  
 Evidence for a gastric secretagogue in the circulation and gastric juice of patients with Zollinger-Ellison syndrome. Sircus W. *Lancet* 2:671-2, 20 Sep 64

## ZOOSES

- Psittacosis complement-fixing antibodies in sera from fauna of the Great Salt Lake Desert of Utah. Sidwell RW, et al. *Amer J Trop Med* 13:591-4, Jul 64  
 Observations on brucellosis in Iowa. Hendricks SL, et al. *Public Health Rep* 79:668-70, Oct 64

## ZYGOMA

- Osteochondroma of the zygomatic bone. Laws IM. *Brit J Plast Surg* 17:303-8, Jul 64

## ZYMOSAN

- Combination therapy with cyclophosphamide and zymosan on a spontaneous mammary cancer in mice. Martin DS, et al. *Cancer Res* 24:652-4, May 64



# A

- Abbot A**  
Abbot A, Burnet FM: Electron microscopy of the thymus lesions in NZB mice. *J Path Bact* 88:243-5, Jul 64
- Abbott CP**  
Abbott CP, Lindsey ES, Creech O Jr, De Witt CW: A technique for heart transplantation in the rat. *Arch Surg* (Chicago) 89:645-52, Oct 64
- Abbott CP**  
Abbott CP, Creech O Jr, DeWitt CW: Histologic and electrocardiographic changes of the transplanted rat heart. *Surg Forum* 15:253-5, 1964
- Abbott E**  
Abbott E: "What shall the doctor's image be"? *Brit Med J* 5416:1062-3, 24 Oct 64
- Abbott P**  
Abbott P: Thoughts on the art of medicine. *Practitioner* 193:72-5, Jul 64
- Abdel Razzak M**  
Abdel Razzak M, Hassaballa AM, Naguib M: Volume changes of dialysate during peritoneal lavage as determined by means of radioactive isotopes. *J Nucl Med* 5:480-3, Jun 64
- Abe T**  
Bernhard WF, Somers LA, Kriek H, Abe T, Cunnanan O, McDonald S: Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. *Surg Forum* 15:197-8, 1964
- Abel C**  
Piraino F, Abel C: Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. *J Bact* 87:1503-11, Jun 64
- Abel FL**  
Waldhausen JA, Abel FL, Selkurt EE: Splanchnic blood flow in the monkey during hemorrhagic shock. *Surg Forum* 15:7-8, 1964
- Abelmann WH**  
Duke M, Herbert VD, Abelmann WH: Hemodynamic effects of blood transfusion in chronic anemia. *New Eng J Med* 271:975-80, 5 Nov 64
- Aber CP**  
Jones EW, Aber CP: Diet and hypertension. *Practitioner* 193:50-6, Jul 64
- Abernethy RW**  
Smink ED Jr, Abernethy RW, Ratnoff OD, Lepow IH: Enhancement of vascular permeability by mixtures of C1 esterase and normal serum. *Proc Soc Exp Biol Med* 118:280-3, Jun 64
- Abildskov JA**  
Moe GK, Mendez C, Abildskov JA: A complex manifestation of concealed A-V conduction in the dog heart. *Circ Res* 15:51-63, Jul 64
- Aboul-Enen M**  
Cardinali G, Cardinali G, DeCaro BM, Handler AH, Aboul-Enen M: Effect of high doses of cortisone on bone marrow cell proliferation in the Syrian hamster. *Cancer Res* 24:969-72, Jul 64
- Aboukier P**  
Aboukier P: L'incontinence d'urine à l'effort chez la femme. *Presse Med* 72:2157-60, 12 Sep 64 (Fr)
- Abraham J**  
Abraham J, Chandy J: Meningiomas of the posterior fossa without dural attachment: a case report. *J Neurosurg* 20:177-9, Feb 63
- Abraham J**  
Abraham J, Chandy J: Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. *J Neurosurg* 20:252-3, Mar 63
- Abraham JE**  
Balakrishnan E, Abraham JE, Naimuddin M: Unusual foreign body in the conjunctiva. *Brit J Ophthalmol* 47:250-2, Apr 63
- Abraham S**  
Madsen J, Abraham S, Chaikoff IL: The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. *J Biol Chem* 239:1305-9, May 64
- Abraham S**  
Abraham S, Borrebaek B, Chaikoff IL: Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. *J Nutr* 83:273-88, Jul 64
- Abrahams C**  
Abrahams C, Wheatley A, Rubenstein AH, Stables D: Hepatocellular lipofuscin after excessive ingestion of analgesics. *Lancet* 2:621-2, 19 Sep 64
- Abrahams SP**  
Chadwick DR, Abrahams SP: Biological effects of radiation. *Arch Environ Health* (Chicago) 9:643-8, Nov 64
- Abrahamsen AM**  
Abrahamsen AM, Humerfelt S, Sigstad H: Effects of guanethidine on renal function. *Acta Med Scand* 178:59-63, Jul 64
- Abramowitz S**  
Small MJ, Miller WN, Leiner GC, Strauss HD, Abramowitz S: Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. *Amer Rev Resp Dis* 90:223-30, Aug 64
- Abrams JD**  
Abrams JD: Simple technique for splitting the lid in the Kuhn-Szymanowski ectropion operation. *Brit J Ophthalmol* 48:55, Jan 64
- Abrams JD**  
Abrams JD: Transillumination of the iris during routine slit-lamp examination. *Brit J Ophthalmol* 48:42-4, Jan 64
- Abrams JD**  
Abrams JD: Papillitis complicated by central retinal artery occlusion. *Brit J Ophthalmol* 47:53, Jan 63
- Abrams JD**  
Abrams JD: Features of the peripheral iris as seen by gonioscopy after cataract extraction. *Brit J Ophthalmol* 47:713-20, Dec 63
- Abrams LD**  
Williams B, Abrams LD: A low-efficiency disposable heat exchanger. *Lancet* 2:736-7, 3 Oct 64
- Abramson DI**  
Abramson DI, Tuck S Jr, Chu LS, Agustin CC, Lee SW: Vascular effects of heparin. *Vasc Dis* 1:180-5, Jul 64
- Abramson JH**  
Abramson JH, Mann KJ, Nizan A, Goldberg R: Epidemiology of disability after work injuries. *Arch Environ Health* (Chicago) 9:572-80, Nov 64
- Abramson JH**  
Mann KJ, Abramson JH, Nizan A, Goldberg R: Epidemiology of disabling work injuries in Israel. *Arch Environ Health* (Chicago) 9:505-13, Oct 64
- Abrolon KB**  
Abrolon KB, Rikkers H, Hagihara P: Experimental lymphocytopenia and hypogammaglobulinemia production. *Surg Forum* 15:149-50, 1964
- Acar J**  
Soulié P, Dubost C, Acar J, Degeorges M, Foucault JP: Les insuffisances aortiques à symptomatologie angineuse. Leur traitement chirurgical. (A propos de cinq observations) *Presse Med* 72:2307-12, 26 Sep 64 (Fr)
- Acheson J**  
Acheson J, Hutchinson EC: Observations on the natural history of transient cerebral ischaemia. *Lancet* 2:871-4, 24 Oct 64
- Ackerman EM**  
Ackerman EM: The training of dietitians in South Africa. *S Afr Med J* 38:680-1, 22 Aug 64
- Adam DJ**  
Hansen AE, Wiese HF, Adam DJ, Boelsche AN, Haggard ME, Davis H, Newsom WT, Pesut L: Influence of diet on blood serum lipids in pregnant women and newborn infants. *Amer J Clin Nutr* 15:11-9, Jul 64
- Adams CW**  
Adams CW: Electrocardiographic changes in hypothyroidism. *Dis Chest* 48:87-8, Jul 64
- Adams DJ**  
Spiegel EA, Wycis HT, Szekely EG, Adams DJ, Flanagan M, Baird HW 3d: Campotomy in various extrapyramidal disorders. *J Neurosurg* 20:871-84, Oct 63
- Adams E**  
Adams E, Norton IL: Purification and properties of inducible hydroxyproline 2-epimerase from *Pseudomonas*. *J Biol Chem* 239:1525-35, May 64
- Adams J**  
Spiegel EA, Wycis HT, Szekely EG, Soloff L, Adams J, Gildenberg P, Zanes C: Stimulation of Forel's field during stereotaxic operations in the human brain. *Electroenceph Clin Neurophysiol* 18:537-48, Jun 64
- Adams JE**  
Alexander E Jr, Adams JE, Davis CH Jr: Complications in the use of temporary intracranial arterial clip. *J Neurosurg* 20:810-1, Sep 63
- Adams JE**  
Smith MC, Adams JE: Occlusion of the blood supply to the brain of the goat: protective effect of deep hypothermia. *J Neurosurg* 20:48-59, Jan 63
- Adams JH**  
Adams JH, Daniel PM, Prichard MM: Distribution of hypophyseal portal blood in the anterior lobe of the pituitary gland. *Endocrinology* 75:120-6, Jul 64
- Adams JP**  
Kenmore PI, Zohn D, Miale A Jr, Adams JP: Regional intravenous anesthesia. *Surg Forum* 15:454-6, 1964
- Adams JT**  
Adams JT, Schwartz SI: Dynamics of blood, lymph, and ascitic fluid interchange. *Surg Forum* 15:110-1, 1964
- Adams R**  
Ayer JB, Denny-Brown D, Viets H, Adams R, Schwab R, Kubik C, Smith R: James Bourne Ayer, MD 1882-1963. *Arch Neurol* (Chicago) 11:449-51, Oct 64
- Adams TE**  
Green WO Jr, Adams TE: Mycetoma in the United States; a review and report of seven additional cases. *Amer J Clin Path* 42:75-91, Jul 64
- Adams WC**  
Adams WC, Leatham JH: Influence of hypothyroidism and chorionic gonadotrophin on ovarian collagen in the rat. *Endocrinology* 75:138-9, Jul 64
- Adams WE**  
Archer FL, Gago O, Delgado E, Kolb LW, Adams WE: Histologic pattern in the auto- and homotransplanted dog lung. *Surg Forum* 15:154-6, 1964
- Adamson JE**  
Crawford HH, Adamson JE, Horton CE: Hereditary hemorrhagic telangiectasia. Report of a case with severe complication following radical treatment. *Plast Reconstr Surg* 34:136-41, Aug 64
- Adelson WJ**  
Wheeler JS, Adelson WJ: Pituitary diabetes insipidus associated with progressive urinary tract dilatation. *J Urol* 92:64-7, Jul 64
- Adesola AO**  
Adesola AO, Schwartz SI: Histamine and antihistamine in experimental ascites. *Surg Forum* 15:111-3, 1964
- Adkins JC**  
Haller JA Jr, Adkins JC, Rauenhorst J: Total bypass of the superior vena cava into both lungs. *Surg Forum* 15:264-5, 1964
- Adkins PC**  
Winfrey EW 3d, Adkins PC: Coronary artery perfusion. *Surg Forum* 15:271-2, 1964
- Adler HE**  
Adler HE, DaMassa AJ: Enhancement of Mycoplasma agglutination titers by use of anti-globulin. *Proc Soc Exp Biol Med* 116:608-10, Jul 64
- Adlercreutz H**  
Adlercreutz H, Schauman KO: A note on the chemical estimation of oestrogens in the urine of patients with liver disease. *Acta Endocr* (Copenhagen) 46:230-4, Jun 64
- Adlercreutz H**  
Adlercreutz H: Oral contraceptives and liver damage. *Brit Med J* 5417:1133, 31 Oct 64
- Aerichide N**  
Gilbert G, Aerichide N, Lapointe L, David P: Congenital mitral insufficiency associated with a ventricular septal defect. *Amer Heart J* 68:107-10, Jul 64
- Afonso S**  
Afonso S, Rowe G, Castillo CA, Crumpton CW: Hemodynamic responses to induced tachycardia in



# ABRIDGED INDEX MEDICUS

- methylene blue-treated dogs.  
Amer J Physiol 206:1279-80, Jun 64
- Afonso S  
Rowe GG, Castillo CA, Afonso S, Meyer TC, Crampton CW: Diagnostic cineangiography. Vasc Dis 1:45-53, Jan 64
- Agarwal KN  
Agarwal KN, Carstensen H: Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation of some of the esters.  
Acta Endocr (Kobenhavn) 47:Suppl 93:37-52, 1964
- Agarwal KN  
Agarwal KN, Hjertén S: An electrophoretic study of human erythrocytes, incubated with corticosteroids and sulphydryl reaction substances.  
Acta Endocr (Kobenhavn) 47:Suppl 93:53-8, 1964
- Agarwal KN  
Agarwal KN, Garby L: Inhibition by corticosteroids of red cells lysis in vitro.  
Acta Endocr (Kobenhavn) 47:Suppl 93:3-27, 1964
- Agarwal KN  
Agarwal KN: Lack of effect of corticosteroids on the in vivo disappearance of sulphydryl-inhibited and antibody-coated erythrocytes.  
Acta Endocr (Kobenhavn) 47:Suppl 93:28-36, 1964
- Agarwal LP  
Agarwal LP, Malik SR, Mohan M, Khosla PK: Mycotic corneal ulcers. Brit J Ophthal 47:109-15, Feb 63
- Agarwal LP  
Agarwal LP, Mohan M, Malik SR, Sood GC: Intralamellar heterografts of frog cornea into rabbit cornea. Brit J Ophthal 47:14-30, Jan 63
- Agarwal LP  
Agarwal LP, Malik SR, Mohan M, Karwal PR: Retinitis pigmentosa. A new therapeutic approach. Brit J Ophthal 47:144-8, Mar 63
- Aggeler PM  
O'Reilly RA, Aggeler PM, Hoag MS, Leong LS, Kropatkin ML: Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred.  
New Eng J Med 271:809-15, 15 Oct 64
- Agnew HW Jr  
Agnew HW Jr, Webb WB, Williams RL: The effects of stage four sleep deprivation.  
Electroenceph Clin Neurophysiol 17:68-70, Jul 64
- Agustin CC  
Abramson DI, Tuck SJr, Chu LS, Agustin CC, Lee SW: Vascular effects of heparin. Vasc Dis 1:180-5, Jul 64
- Aho J  
Toupp H, Heiskanen O, Tarkkanen A, Koivusalo P, Aho J, Tarkkanen J: The neurological deficit after extradural haematoma. Lancet 2:891-2, 24 Oct 64
- Ahuja OP  
Shukla BR, Ahuja OP, Pradhan JS: Removal of corneoscleral sutures: new technique.  
Arch Ophthal (Chicago) 72:645-6, Nov 64
- Ainger LE  
Hughes ER, Ely RS, Chodos DJ, Done AK, Kirschvink JF, Ainger LE, Kelley VC: Corticosterone half-life in children. Amer J Dis Child 108:366-71, Oct 64
- Ainsworth J  
Ainsworth J, Gilman PW: Diagnosis of placenta praevia by aortography.  
Proc Roy Soc Med 57:697-700, Aug 64
- Aitken TH  
Jonkers AH, Downs WG, Aitken TH, Spence L: Arthropod-borne encephalitis viruses in northeastern South America. I. A serological survey of northeastern Surinam.  
Trop Geogr Med 16:135-45, Jun 64
- Akeson WH  
Convery FR, Akeson WH: Ester sulfate and collagen content of articular cartilage from human being femoral heads. Surg Forum 15:435-7, 1964
- Akeson WR  
Akeson WR, Stahmann MA: A pepsin pancreatin digest index of protein quality evaluation.  
J Nutr 83:257-61, Jul 64
- Akiyama Y  
Akiyama Y, Parmelee AH Jr, Flescher J: The electroencephalogram in visually handicapped children. J Pediat 65:233-42, Aug 64
- Aladjemoff L  
Kornblueth W, Aladjemoff L, Magora F, Ben Dor D: Intracocular pressure in children measured under general anesthesia.  
Arch Ophthal (Chicago) 72:489-90, Oct 64
- Alagille D  
Frezal J, Alagille D, Derot M, Hamburger J, Netter A, Royer P, Péquignot H: Comment reconnaître et traiter une glycogénose hépatique.  
Presse Med 72:2342-5, 26 Sep 64 (Fr)
- Alagille D  
Rambert P, Alagille D, Derot M, Hamburger J, Royer P, Péquignot H: Problèmes thérapeutiques posés par les diabètes instables.  
Presse Med 72:2229-31, 19 Sep 64 (Fr)
- Albert M  
(Physick PS), Albert M: Contributions of Philip Syng Physick. Arch Ophthal (Chicago) 72:725-8, Nov 64
- Albert SN  
Albert SN: A new dual purpose Y connector. Anesthesiology 25:575, Jul-Aug 64
- Albin MS  
Brown HW, White RJ, Albin MS, Verdura J: Profound selective cerebral hypothermia in dogs by naso-oral perfusion and head immersion.  
Surg Forum 15:413-5, 1964
- Albites VE  
Albites VE: Primary reticulum-cell sarcoma of the brain. J Neurosurg 20:777-83, Sep 63
- Albo R  
Baldwin JN, Albo R, Jaffe B, Silen W: Metabolic effects of selective and total vagotomy.  
Surg Forum 15:303-5, 1964
- Albo RJ  
Wylie EJ, Binkley FM, Albo RJ: Femoropopliteal endarterectomy: operative modifications and consideration of effects of outflow lesions.  
Amer J Surg 108:215-23, Aug 64
- Albony R  
Albony R, Benichou C, Chonrak L, Solai C: Dorsalgies bénignes dites essentielles, de l'adulte jeune. Presse Med 72:2515-7, 17 Oct 64 (Fr)
- Albright JA  
Albright JA, Southwick WO, Bove JR: Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. JAMA 190:548-50, 9 Nov 64
- Albright SD 3d  
Albright SD 3d, Wheeler CE Jr: Leukonychia. Total and partial leukonychia in a single family with a review of the literature.  
Arch Derm (Chicago) 90:392-9, Oct 64
- Aldinger EE  
Aldinger EE: Effects of several cardiovascular drugs on various phases of circulatory dynamics.  
Amer Heart J 68:55-65, Jul 64
- Aldridge HE  
Peckham GB, Chrysohou A, Aldridge HE, Wigle ED: Combined percutaneous retrograde aortic and transeptal left heart catheterization.  
Brit Heart J 26:460-8, Jul 64
- Aleksandrow D  
Aleksandrow D, Klopotoski T, Smietanska Z: Effect of physical activity upon cholesterol synthesis in the rat liver. J Atheroscler Res 4:351-5, Jul-Aug 64
- Alexander E Jr  
De La Torre E, Alexander E Jr, Davis CH Jr, Crandell DL: Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. J Neurosurg 20:461-70, Jun 63
- Alexander E Jr  
Alexander E Jr, Adams JE, Davis CH Jr: Complications in the use of temporary intracranial arterial clip. J Neurosurg 20:810-1, Sep 63
- Alexander GH  
Johnston JD, Alexander GH, Rosomoff HL: A simplified method for the pneumoencephalographic demonstration of the fourth ventricle and aqueduct of Sylvius. J Neurosurg 20:81-3, Jan 63
- Alexander JA  
Alexander JA, Rogers SF, Jacobs WM, Wills SH: Cesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases. Southern Med J 57:1282-7, Nov 64
- Alexander JK  
Turell DJ, Austin RC, Alexander JK: Cardiorespiratory response of very obese subjects to treadmill exercise. J Lab Clin Med 64:107-16, Jul 64
- Alexander K  
Alexander K, Hasse HM: Untersuchungen zur Eignung trijodierter Röntgenkontrastmittel für die cerebrale Angiographie.  
Angiologica (Basel) 1:213-26, 1964 (Ger)
- Alexander M  
Gunner HB, Alexander M: Anaerobic growth of Fusarium oxysporum. J Bact 87:1309-16, Jun 64
- Alexander RL  
Alexander RL, Shea M: Malignant melanoma en plaque. Local extraocular extension.  
Arch Ophthal (Chicago) 72:498-500, Oct 64
- Alexander SC  
Alexander SC, Wollman H, Cohen PJ, Chase PE, Behar M: Cerebrovascular response to Paco2 during halothane anesthesia in man.  
J Appl Physiol 19:561-5, Jul 64
- Alexander WD  
Alexander WD, Harrison MT, Harden RM, Kontras DA: The effect of total fasting on thyroid function in man. Metabolism 13:587-90, Jul 64
- Alifano A  
Alifano A, Papa S, Tancredi F, Elcico MA, Quagliarello E: Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder and kidney. Brit J Cancer 18:386-9, Jun 64
- Alkjaersig N  
Sherry S, Alkjaersig N, Fletcher AP: Assay of urokinase preparations with the synthetic substrate acetyl-L-lysine methyl ester.  
J Lab Clin Med 64:145-53, Jul 64
- Allan D  
Allan D, Kay B: An emergency resuscitation box. J Pediat 65:297-8, Aug 64
- Allansmith M  
Allansmith M, Goihman-Yahr M, Buell DN: Demonstration of gamma-2 globulin in human skin. J Allerg 35:313-21, Jul-Aug 64
- Allansmith M  
Allansmith M, Buell DN: The relationship of gamma-1A globulin and reagin in cord sera. J Allerg 35:339-45, Jul-Aug 64
- Allbritten FF  
Jacks ML, Ashcraft W, Reed WA, Allbritten FF: Alterations in plasma free fatty acids during extracorporeal circulation.  
Surg Forum 15:279-81, 1964
- Alcock JM  
Alcock JM, Drake CG: Postoperative angiography in cases of ruptured intracranial aneurysm. J Neurosurg 20:752-9, Sep 63
- Allen DF  
Friedberg CK, Lasser RP, Allen DF, Furst SE, Gabor GE: Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies.  
Circ Res 15:1-10, Jul 64
- Allen HF  
Allen HF, Mangiaracine AB: Bacterial endophthalmitis after cataract extraction. A study of 22 infections in 20,000 operations.  
Arch Ophthal (Chicago) 72:454-62, Oct 64
- Allen IV  
Allen IV: The relationship of fever to tumour necrosis in the rat. Brit J Cancer 18:378-85, Jun 64
- Allen MS Jr  
Shrum RC, Williams GS, Allen MS Jr, Kenneweg DJ: Simplified technique of ileocolostomy.  
Surg Forum 15:299-301, 1964
- Allen R  
Allen R, Sims RA, Sulkin SE: Studies with cultured brown adipose tissue. II. Influence of low temperature on rabies virus infection in bat brown fat. Amer J Hyg 80:25-32, Jul 64
- Allen R  
Allen R, Sims RA, Sulkin SE: Studies with cultured brown adipose tissue. I. Persistence of rabies virus in bat brown fat. Amer J Hyg 86:11-24, Jul 64
- Allen RJ  
Wolter JR, Allen RJ: Retinal neuropathology of late infantile amaurotic idiocy.  
Brit J Ophthal 48:277-84, May 64
- Allen RL Jr  
Kessler E, Allen RL Jr, Kirman D, Strauss H: Effect of aldosterone and cortisol on sodium and water content of the rat kidney. Amer J Physiol 207:109-12, Jul 64
- Allen W  
Roshe J, Allen W: Effects of hyperbaric oxygenation on left circumflex coronary artery occlusion in dogs.  
Surg Forum 15:208-9, 1964
- Allen WM  
Jennings RC, Shaikh VA, Allen WM: Renal ischaemia due to thrombosis of renal artery resulting from metastases from primary carcinoma of the bronchus. Brit Med J 5416:1053-4, 24 Oct 64
- Alm G  
Alm G, Hellman B: Distribution of the two types of A cells in the pancreatic islets of some mammalian species. Acta Endocr (Kobenhavn) 46:307-16, Jun 64
- Almén T  
Almén T, Nylander G: False signs of thrombosis in lower leg phlebography.  
Acta Radiol [Diagn] (Stockholm) 2:345-52, Jul 64
- Almenas A  
Shapiro SK, Yphantis DA, Almenas A: Biosynthesis of methionine in Saccharomyces cerevisiae. Partial purification and properties of s-adenosylmethionine: homocysteine methyltransferase.  
J Biol Chem 239:1551-6, May 64
- Alonso P  
Lombardo L, Alonso P, Saénz Arroyo L, Brandt H, Humberto Mateos J: Cerebral amebiasis: report of 17 cases. J Neurosurg 21:704-9, Aug 64
- Alp H  
Alp H, Recant L: Effect of the insulin-inhibitory albumin fraction from normal and diabetic subjects on adipose tissue. Metabolism 13:609-19, Jul 64
- Alper MH  
(Morton WT), (Jackson CT), Alper MH: The ether controversy revisited (Morton WT), (Jackson CT). Anesthesiology 25:560-3, Jul-Aug 64
- Alston JM  
Ramsey AM, Emond RT, Alston JM: Future management of infectious diseases.  
Brit Med J 5415:1004-5, 17 Oct 64
- Alston W  
Carlson KE, Alston W, Feldman DJ: Electromyographic study of aging in skeletal muscle. Amer J Phys Med 43:141-5, Aug 64
- Altchek A  
Altchek A: Renal biopsy and its clinical correlation in toxemia of pregnancy.  
Circulation 30:Suppl 2:43-51, Aug 64
- Altmeier WA  
Yale CE, Altmeier WA: Strangulation obstruction in germfree rats. Surg Forum 15:294-5, 1964
- Altmeier WA  
Gonzalez LL, Boyd AD, Altmeier WA: Susceptibility of vascular sutures to infection in experimental bacteremia. Surg Forum 15:68-9, 1964
- Altmeier WA  
Keirle AM, Lewis CM, Helmsworth JA, Altmeier WA: Hypothetic reduction of ammonia release into the circulation by the kidney.  
Surg Forum 15:102-3, 1964
- Alvarez MC  
Olmsted RW, Alvarez MC, Moroney JD, Eversden M: The pattern of hearing following acute otitis media. J Pediat 65:252-5, Aug 64
- Alvarez-Carregal E  
Alvarez-Carregal E, Crue BL Jr, Todd EM: Further observations of trigeminal antidromic potentials: possible physiological function of sensory antidromic potentials. J Neurosurg 20:277-88, Apr 63
- Alvarez Diaz FR  
Melrose DG, Bental HH, McMillan IK, Flege JB, Alvarez Diaz FR, Nahas RA, Fauteley R, Carlson J: The evolution of a mitral-valve prosthesis.  
Lancet 2:623-4, 19 Sep 64
- Amadio GE  
Amadio GE, Pérez JA, Caffure N, Farías CE, Caminos R: Comparative study between bacteriologic findings in patients with pulmonary tuberculosis and bacteriology of surgically resected lung tissue.  
Dis Chest 46:37-41, Jul 64
- (Amano S)  
(Amano S), Watanabe S, Dameshek W: Professor Shigeo Amano, 1903-1964. Blood 24:93-5, Jul 64
- Amberg JR  
Soergel KH, Zboralske FF, Amberg JR: Presbyesophagus: esophageal motility in nonagenarians. J Clin Invest 43:1472-9, Jul 64
- Amberg JR  
Amberg JR, Ellison EH, Wilson SD, Zboralske FF: Roentgenographic observations in the Zollinger-Ellison syndrome.  
JAMA 190:185-7, 19 Sep 64
- Ambiavagar M  
Robinson JS, Ambiavagar M, Jones ES: Artificial ventilation of the lungs in combined head and chest injuries. Lancet 2:912, 24 Oct 64
- Amblar SS  
Schwartz JT, Amblar SS: Comparability of a sample of certified Schiotz tonometers. With an evaluation of the potential influence of tonometer variability on the outcome of epidemiologic field studies.  
Arch Ophthal (Chicago) 72:672-3, Nov 64



# ABRIDGED INDEX MEDICUS

- Ambuel JP**  
Ambuel JP, Cebulia J, Watt N, Crowne DP: Urgency as a factor in clinic attendance. *Amer J Dis Child* 108:394-8, Oct 64
- Amery A**  
Amery A, Vermeylen J, Maes H, Verstraete M: Pitfalls in the thrombolytic treatment of venous occlusion. *Vasc Dis* 1:89-93, Mar 64
- Ames A 3d**  
Ames A 3d, Sakanoue M: A new method for preparing a plasma ultrafiltrate: distributions of 5 electrolytes. *J Lab Clin Med* 64:148-76, Jul 64
- Ames A 3d**  
Wright RL, Ames A 3d: Measurement of maximal permissible cerebral ischemia and a study of its pharmacologic prolongation. *J Neurosurg* 21:567-74, Jul 64
- Amiel JL**  
Mathé G, Amiel JL: Les réactions immunologiques de greffe. *Presse Med* 72:2331-6, 26 Sep 64 (Fr)
- Amiel JL**  
Mathé G, Schneider M, Cattani A, Schwarzenberg L, Amiel JL: Essai de traitement de la leucémie myéloïde chronique par le dibromomannitol. *Presse Med* 72:2135-6, 12 Sep 64 (Fr)
- Amirana MT**  
Amirana MT, Rohman M, Oka M, Kikkawa Y, Gueft B, State D: Functional and pathologic changes in the reimplanted lung. *Surg Forum* 15:177-9, 1964
- Amor B**  
Delbarre F, Kahan A, Amor B, Krassinine G: Le ragoocyte synovial. Son intérêt pour le diagnostic des maladies rhumatismales. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)
- Amromin GD**  
Amromin GD, Glidenhorn HL, Solomon RD, Nadkarni BB: The synergism of x-irradiation and cholesterol-lact feeding on the development of coronary artery lesions. *J Atheroscler Res* 4:325-34, Jul-Aug 64
- Amstutz P**  
Rapin M, Amstutz P, Gorce F, Barois A, Goulon M: Anurie par néphropathie interstitielle aiguë au décours d'un traitement prolongé par la phénindione. *Presse Med* 72:2279-84, 23 Sep 64 (Fr)
- Anast CS**  
McCoy EE, Anast CS, Naylor JS: The excretion of oxalic acid following deoxypyridoxine and tryptophan administration in mongoloid and nonmongoloid subjects. *J Pediatr* 65:208-14, Aug 64
- Andersen BR**  
Andersen BR, Vannier WE: The sedimentation properties of the skin-sensitizing antibodies of ragweed-sensitive patients. *J Exp Med* 120:31-43, 1 Jul 64
- Anderson AE Jr**  
Mori PA, Anderson AE Jr, Eckert P: The radiological spectrum of aging and emphysematous lungs. *Radiology* 83:48-57, Jul 64
- Anderson DE**  
Howell JB, Anderson DE, McClendon JL: The basal cell nevus syndrome. *JAMA* 190:274-7, 26 Oct 64
- Anderson FS**  
Inouye WY, Anderson FS: Biological cutaneous-peritoneal conduits for intermittent peritoneal dialysis. *Surg Forum* 15:490-2, 1964
- Anderson GW**  
Anderson GW: Present and future water pollution technical problems. *Arch Environ Health (Chicago)* 9:678-82, Nov 64
- Anderson HN**  
Hessel EA 2d, Anderson HN, Matano I, Dillard DH, Merendino KA: Evaluation of prosthetic heart valves in the calf. *Surg Forum* 15:257-9, 1964
- Anderson J**  
Anderson J, Winstanley DP: Glaucoma and elliptocytosis. *Brit J Ophthalmol* 48:7-12, Jan 64
- Anderson JR**  
Anderson JR: Plastic surgery in otolaryngology. *Arch Otolaryng (Chicago)* 80:365-7, Oct 64
- Anderson LD**  
Anderson LD, Hama WR Jr, Waring TL: Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. *J Bone Joint Surg [Amr]* 46:1049-65, Jul 64
- Anderson LG**  
Anderson LG, Selby DM, Wuerflein RD, Campbell GS: Protective influence of external counter-pressure after acute hemorrhage in dogs. *Surg Forum* 15:4-6, 1964
- Anderson MC**  
Anderson MC, Geurkink RE, Nichols SH: Measurement of steroid-induced hepatic functional derangement with the ammonia tolerance test. *Surg Forum* 15:103-5, 1964
- Anderson R**  
Greenberg G, Anderson R, Sharpstone P, James DG: Enlargement of parotid gland due to sarcoidosis. *Brit Med J* 5413:861-2, 3 Oct 64
- Anderson RI**  
Buck AA, Sadun EH, Anderson RI, Shaffa E: Comparative studies of some immunologic screening tests for schistosomiasis in Ethiopia. *Amer J Hyg* 80:75-84, Jul 64
- Anderson RS**  
Mann GV, Shaffer RD, Anderson RS, Sandstead HH: Cardiovascular disease in the Maasai. *J Atheroscler Res* 4:289-312, Jul-Aug 64
- Andersen N**  
Andersen N, Skjaeggestad O: The electrocardiogram in patients with previous myocardial infarction. *Acta Med Scand* 176:123-6, Jul 64
- Ando S**  
Ando S, Guze LB, Gold EM: ACTH release in vivo and in vitro: extrapituitary mediation during Esch. coli bacteremia. *Endocrinology* 74:894-901, Jun 64
- André L**  
André L, Bjersting L, Lagergren J: Congenital aplasia of the abdominal muscles with urogenital malformations. *Acta Radiol [Diagn] (Stockholm)* 2:298-304, Jul 64
- Andrew J**  
Andrew J, Nathan PW: Lesions on the anterior frontal lobes and disturbances of micturition and defecation. *Brain* 87:233-62, Jun 64
- Andrews F**  
Bjorksten J, Andrews F: Chemical mechanisms underlying the biological mechanisms of the aging process. *J Amer Geriatr Soc* 12:627-31, Jul 64
- Andrews GA**  
Nelson BM, Andrews GA: Breast cancer and cytologic dysplasia in many organs after busulfan (myleran). *Amer J Clin Path* 42:37-44, Jul 64
- Andrews IC**  
Andrews IC, Orkin LR: Environmental cold and man. *Anesthesiology* 25:549-59, Jul-Aug 64
- Andrews RD**  
Easty GC, Yarnell MM, Andrews RD: The uptake of proteins by normal and tumour cells in vitro. *Brit J Cancer* 18:354-67, Jun 64
- Andy OJ**  
Andy OJ, Jurko MF, Sias FR Jr: Subthalamotomy in treatment of parkinsonian tremor. *J Neurosurg* 20:860-70, Oct 63
- Andy OJ**  
Andy OJ, Mukawa J, Melvin J: Interamygdaloid propagation. *Surg Forum* 15:400-2, 1964
- Anfinsen CB**  
Goldberger RF, Epstein CJ, Anfinsen CB: Purification and properties of a microsomal enzyme system catalyzing the reactivation of reduced ribonuclease and lysozyme. *J Biol Chem* 239:1406-10, May 64
- Angelakos ET**  
Torres JC, Angelakos ET: Effect of hypothermia on excitation and propagation in the isolated atrium. *Amer J Physiol* 207:199-202, Jul 64
- Anger HO**  
Yano Y, Anger HO: A gallium-68 positron cow for medical use. *J Nucl Med* 5:484-7, Jun 64
- Angervall L**  
Angervall L, Lundin PM: Corticosteroid action on the fetal thymus and spleen. *Endocrinology* 74:984-9, Jun 64
- Angevine DM**  
(Klemperer P), Angevine DM: Introductory comment. *Arch Path (Chicago)* 78:305, Oct 64
- Angle CR**  
Angle CR, McIntire MS: Lead poisoning during pregnancy. Fetal tolerance of calcium disodium edetate. *Amer J Dis Child* 108:436-9, Oct 64
- Ankeney JL**  
Menges H Jr, Ankeney JL, Hellerstein HK: The clinical diagnosis and surgical management of ruptured mitral chordae tendineae. *Circulation* 30:8-16, Jul 64
- Anlyan WG**  
Silver D, Anlyan WG: In vivo evaluation of clot lysis. *Surg Forum* 15:237-9, 1964
- Ansell JS**  
Bourne HH, Tremblay RE, Ansell JS: Stupor, hypercalcemia and carcinoma of the renal pelvis. *New Eng J Med* 271:1005-6, 5 Nov 64
- Ansell JS**  
Tucker KR, Ansell JS: Radioautographic localization of estrogen in the hamster kidney. *Surg Forum* 15:393-4, 1964
- Ansley HR**  
Black MM, Ansley HR, Mandl R: On cell specificity of histones. *Arch Path (Chicago)* 78:350-68, Oct 64
- Anson CJ**  
Crooke AC, Butt WR, Palmer RF, Bertrand PV, Carrington SP, Edwards RL, Anson CJ: Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64
- Antonissen NR**  
Antonissen NR: Changes in shunt flow, compliance, and volume of lungs during apneic oxygenation. *Amer J Physiol* 207:235-8, Jul 64
- Antonissen NR**  
Antonissen NR: Effect of volume and volume history of the lungs on pulmonary shunt flow. *Amer J Physiol* 207:239-41, Jul 64
- Anthony WL**  
Behr WT, Baker GD, Anthony WL, Penney DG: Effect of hyocholic acid on cholesterol and bile acid metabolism in the mouse. *Proc Soc Exp Biol Med* 116:442-5, Jun 64
- Antila LE**  
Antila LE: A technic for operative correction of pancreatic fistula. *J Int Coll Surg* 42:379-81, Oct 64
- Antlitz AM**  
Antlitz AM, Boudreau RP: Congenital isolated mitral insufficiency. Report of two cases. *Dis Chest* 46:226-34, Aug 64
- Antonakis E**  
Aravanis C, Antonakis E: Roentgen therapy for carotid sinus syncope. *Vasc Dis* 1:119-21, Mar 64
- Antopol W**  
Antopol W, Chrysanthou C: Schwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. *Arch Path (Chicago)* 78:313-24, Oct 64
- Appenzeller O**  
Appenzeller O, Descaries L: Circulatory reflexes in patients with cerebrovascular disease. *New Eng J Med* 271:820-3, 15 Oct 64
- Aravanis C**  
Aravanis C, Antonakis E: Roentgen therapy for carotid sinus syncope. *Vasc Dis* 1:119-21, Mar 64
- Arbor A**  
Conn JW, Arbor A: Plasma renin activity in primary aldosteronism. Importance in differential diagnosis and in research of essential hypertension. *JAMA* 190:222-5, 19 Sep 64
- Archer FL**  
Archer FL, Gago O, Delgado E, Kolb LW, Adams W: Histologic pattern in the auto- and homologous transplanted dog lung. *Surg Forum* 15:154-6, 1964
- Arena JM**  
Arena JM: Poisonings and other health hazards associated with use of detergents. *JAMA* 190:56-8, 5 Oct 64
- Areskog NH**  
Areskog NH, Löf B, Nylander G, Sundquist O, Thoren L: Arteriovenous fistula between the common iliac artery and vein. *Vasc Dis* 1:113-8, Mar 64
- Arima K**  
Arima K, Beppu M: Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. *J Bact* 88:143-50, Jul 64
- Arima K**  
Beppu M, Arima K: Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. *J Bact* 88:151-7, Jul 64
- Arima K**  
Arima K, Beppu M: Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. *J Bact* 88:143-50, Jul 64
- Arima K**  
Beppu M, Arima K: Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. *J Bact* 88:151-7, Jul 64
- Arkins R**  
Arkins R, Smessaert AA, Hicks RG: Mortality and morbidity in surgical patients with coronary artery disease. *JAMA* 190:485-8, 9 Nov 64
- Arky RA**  
Arky RA, Freinkel N: Alcohol hypoglycemia. Effects of ethanol on plasma. 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? *Arch Intern Med (Chicago)* 114:501-7, Oct 64
- Arky RA**  
Arky RA, Freinkel N: The response of plasma human growth hormone to insulin and ethanol-induced hypoglycemia in two patients with "isolated adrenocorticotrophic defect". *Metabolism* 13:547-50, Jun 64
- Arlen M**  
Rabinovitch J, Harandian B, Friedman HP, Arlen M, Rabinovitch P: Congenital anomalies of the cystic duct. *J Int Coll Surg* 42:372-8, Oct 64
- Arlen M**  
Arlen M: Enzymatic detection of the hidden primary neoplasm. *Surg Forum* 18:352-3, 1964
- Armstrong RE**  
Furesz J, Armstrong RE, Moreau P, Nagler FP: Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. II. Studies on type 3 strains. *Amer J Hyg* 80:55-61, Jul 64
- Armstrong RE**  
Furesz J, Armstrong RE, Yarosh W, Nagler FP: Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 1 strains. *Amer J Hyg* 80:45-54, Jul 64
- Armstrong RG**  
Armstrong RG: Calciphylaxis and the calcification of ilaval sponge implants. *Surg Forum* 15:64-5, 1964
- Arnar O**  
Haglin JJ, Arnar O: Physiologic studies of the baboon living on only the reimplanted lung. *Surg Forum* 15:175-6, 1964
- Arnold DD**  
Arnold DD: The effect of opposite nephrectomy upon developing experimental open hydronephrosis in the rat. *Brit J Urol* 36:175-83, Jun 64
- Arnold DD**  
Arnold DD: A method of producing experimental open hydronephrosis in the rat. *Brit J Urol* 36:169-74, Jun 64
- Arnold GE**  
Arnold GE: Clinical application of recent advances in laryngeal physiology. *Ann Otol* 73:426-42, Jun 64
- Aronson SB**  
Aronson SB, Yamamoto E, Goodner EK, O'Connor GR: The occurrence of an autoantibody in human uveitis. *Arch Ophthalmol (Chicago)* 72:621-5, Nov 64
- Aronson SM**  
Aronson SM, Okazaki H: A study of some factors modifying response of cerebral tissue to subdural hematomata. *J Neurosurg* 20:89-93, Feb 63
- Aronson SM**  
Garcia JH, Okazaki H, Aronson SM: Blood-group frequencies and astrocytomata. *J Neurosurg* 20:397-9, May 63
- Arslan M**  
Arslan M, Bortot G: General anesthesia in the ultrasound irradiation of the posterior labyrinth in severe Menière's disease. *Ann Otol* 73:328-31, Jun 64
- Arthur AZ**  
Arthur AZ: Theories and explanations of delusions: a review. *Amer J Psychiat* 121:105-15, Aug 64
- Artz CP**  
Rea VE, Kirksey TD, Derrick JR, Artz CP: A comparison of the physiologic effects of angiotensin with other vasoconstrictors. *Surg Forum* 15:17-8, 1964
- Arundell FD**  
Roelink HH Jr, Haserick JR, Arundell FD: Poststeroid panniculitis. Report of a case and review of the literature. *Arch Derm (Chicago)* 90:387-91, Oct 64
- Arvidsson H**  
Arvidsson H: Angiocardiographic measurements in congenital heart disease in infancy and childhood. II. Size of left atrium. *Acta Radiol [Diagn] (Stockholm)* 2:353-64, Jul 64
- Arvin JM**  
Hoch-Ligeti C, Lobl LT, Arvin JM: Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. *Brit J Cancer* 18:271-84, Jun 64
- Arya J**



# ABRIDGED INDEX MEDICUS

- Ward R, Durge NG, Arya J, Baqai M: Myocardial toxoplasmosis. *Lancet* 2:723-5, 3 Oct 64
- Ascarelli J
- Tagari H, Dror Y, Ascarelli I, Bondi A: The influence of levels of protein and starch in rations of sheep on the utilization of protein. *Brit J Nutr* 18:333-56, 1964
- Aschenbrenner R
- Aschenbrenner R, Braren F, Erdmann KJ: Akuter Herzinfarkt und Lungenstauung. Eine klinisch-röntgenologische studie. *Deutsch Med Wschr* 89:1777-81, 18 Sep 64 (Ger)
- Ascher KW
- Ascher KW: Enucleation of eyes possibly containing malignancies. *Brit J Ophthalmol* 47:496-9, Aug 63
- Aschkenasy A
- Delmonte L, Aschkenasy A, Eyquem A: Studies on the hemolytic nature of protein-deficiency anemia in the rat. *Blood* 24:49-68, Jul 64
- Ashcraft W
- Jacks ML, Ashcraft W, Reed WA, Allbritten FF: Alterations in plasma free fatty acids during extracorporeal circulation. *Surg Forum* 15:279-81, 1964
- Ashcroft MT
- Ashcroft MT: Immunization against typhoid and paratyphoid fevers. *Clin Pediatr (Phila)* 3:385-93, Jul 64
- Ashe WF
- Ashe WF, Williams N: Occupational Raynaud's. II. Further studies of this disorder in uranium mine workers. *Arch Environ Health (Chicago)* 9:425-33, Oct 64
- Ashley P
- Ashley P: The proper use of stainless steel mesh in inguinal hernia repair. *J Int Coll Surg* 42:367-71, Oct 64
- Ashmore J
- Wagle SR, Ashmore J: Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on 14C-glucose formation from labeled substrates. *J Biol Chem* 239:1289-91, May 64
- Ashmore PG
- Butler EK, Ashmore PG: Experimental production of respiratory insufficiency. *Surg Forum* 15:188-90, 1964
- Ashton DM
- McCollister RJ, Gilbert WR Jr, Ashton DM, Wyngaarden JB: Pseudofeedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. *J Biol Chem* 239:1560-3, May 64
- Ashton N
- Ashton N: Studies of the retinal capillaries in relation to diabetic and other retinopathies. *Brit J Ophthalmol* 47:521-38, Sep 63
- Askari A
- Askari A, Frattantoni JC: Effect of Na<sup>+</sup> and K<sup>+</sup> on the adenylate kinase of human erythrocytes. *Proc Soc Exp Biol Med* 116:751-3, Jul 64
- Aslami A
- Unal M, Webb WR, Aslami A: Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. *Surg Forum* 15:25-7, 1964
- Aspegren K
- Bränemark PI, Aspegren K, Breine U: Microcirculatory studies in man by high resolution vital microscopy. *Angiology* 15:329-32, Aug 64
- Aspinall DL
- Aspinall DL: Multiple deficiency state associated with isoniazid therapy. *Brit Med J* 5418:1177-8, 7 Nov 64
- Asplund RO
- McLaren GA, Asplund RO, Crow DG, Tsai LI, Porterfield ID: Influence of dried grass silage and silage fractions on the basal metabolic rate of rats. *J Nutr* 83:218-24, Jul 64
- Assali NS
- Assali NS, Holm LW, Parker HR: Systemic and regional hemodynamic alterations in toxemia. *Circulation* 30:Suppl 2:53-62, Aug 64
- Assan R
- Vic-Dupont, Margairas A, Cartier F, Assan R: Aspects cliniques et thérapeutiques actuels des méningocoques. (A propos de 20 cas observés en 1963). *Presse Med* 72:2313-6, 26 Sep 64 (Fr)
- Athans JC
- Rosenberg IN, Athans JC, Dawes MJ: Effect of methimazole upon thyroid clearance of circulating iodide. *Endocrinology* 75:89-96, Jul 64
- Atik M
- Isla F, Atik M, Mardis H, Marrero R, Manale B: Direct and indirect measurement of renal blood flow in the pathophysiology of acute renal failure. *Surg Forum* 15:492-4, 1964
- Atyngatan T
- Atyngatan T, Hsiung GD: Ultrafiltration of simian viruses. *Proc Soc Exp Biol Med* 116:852-6, Jul 64
- Atsmon A
- Frank M, Atsmon A, De Vries A, Lazebnik J: Hyperparathyroidism and uric acid lithiasis: a report of two cases. *Brit J Urol* 36:184-6, Jun 64
- Attar SM
- Attar SM, Esmond WG, Blair E, Cowley RA: Hyperbaric oxygenation in massive pulmonary embolism. *Surg Forum* 15:200-2, 1964
- Attieberger EV
- Kent SP, Evans EE, Attieberger MH: Comparative immunology. Lymph nodes in the amphibian, *Bufo marinus*. *Proc Soc Exp Biol Med* 116:456-9, Jun 64
- Attwood HD
- Attwood HD: A histological study of experimental aminotic-fluid and meconium embolism in dogs. *J Path Bact* 88:285-90, Jul 64
- Auerbach VH
- Baldridge RC, Auerbach VH: The metabolism of histidine. VI. Histidinemia and imidazolepyruvic aciduria. *J Biol Chem* 239:1557-9, May 64
- Auerbach WM
- Auerbach WM: Histochemistry of hydrolytic and oxidative enzymes in experimental skin carcinoma of the mouse. *Cancer Res* 24:937-46, Jul 64
- Aufranc OE
- Aufranc OE, Jones WN, Harris WH: Thoracic spine fracture with paralysis. *JAMA* 189:1018-21, 28 Sep 64
- Aufranc OE
- Aufranc OE, Jones WN, Harris WH: Recurrent traumatic dislocation of the hip in a child. *JAMA* 190:291-4, 26 Oct 64
- Auquier L
- Auquier L, Bonis A, Hamburger J, Lhermitte F, Pequignot H: Etat actuel du traitement de la maladie de Parkinson. *Presse Med* 72:2531-4, 17 Oct 64 (Fr)
- Auricchio S
- Auricchio S, Rubino A, Prader A, Rey J, Jos J, Frezal J: Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. *Lancet* 2:914, 24 Oct 64
- Ausman J
- Costal M, Ausman J, Woldring S, Owens G: Monoventricular hypothermic perfusion. Cortical electric responses to analeptic agents. *J Neurosurg* 20:875-8, Aug 63
- Ausman JI
- Ausman JI, Owens G: The production of a virus-induced tumor in the central nervous system of monkeys. *J Neurosurg* 21:860-6, Aug 64
- Aust JB
- Griffin WO Jr, Aust JB: Low molecular weight dextran and metastatic tumor. *Surg Forum* 15:338-40, 1964
- Austen WG
- Rockoff SD, Levine ND, Austen WG: Roentgenographic clues to the cardiac hemodynamics of aortic stenosis. *Radiology* 83:58-62, Jul 64
- Austen WG
- DeLorme TL, Shaw RS, Austen WG: Musculo-skeletal functions in the amputated perfused human being limb. *Surg Forum* 15:450-2, 1964
- Austen WG
- Austen WG: Cardiac hypothermia versus coronary perfusion during aortic occlusion. *Surg Forum* 15:206-8, 1964
- Austen WG
- Hori M, Austen WG, McDermott WV Jr: Hepatic anoxia and stimulation of hepatic nerves on renal hemodynamics and function. *Surg Forum* 15:108-9, 1964
- Austin GM
- Schemm GW, Austin GM: Peripheral resistance in regulation of blood flow through stenotic vessels. *Surg Forum* 15:405-6, 1964
- Austin RC
- Turell DJ, Austin RC, Alexander JK: Cardiorespiratory response of very obese subjects to treadmill exercise. *J Lab Clin Med* 64:107-16, Jul 64
- Autio V
- Autio V, Parvinen T: Results of surgery in the treatment of stenosis of the sphincter of Oddi. *Ann Chir Gynaec Fenn* 53:328-37, 1964
- Avila L
- Avila L, Pogo BG: Mucopolysaccharide production by fibroblasts derived from human buffy-coat cultures in vitro. *Proc Soc Exp Biol Med* 116:641-3, Jul 64
- Awon MP
- Awon MP: The vacuum extractor--experimental demonstration of distortion of the foetal skull. *J Obstet Gynaec Brit Comm* 71:634-6, Aug 64
- (Ayer JB)
- (Ayer JB), Denny-Brown D, Viets H, Adams R, Schwab R, Kubik C, Smith R: James Bourne Ayer, MD 1882-1963. *Arch Neurol (Chicago)* 11:449-51, Oct 64
- Aykent Y
- Mudd JG, Aykent Y: A new contrast medium: sodium iothalamate. A clinical evaluation in 135 cases. *Angiology* 15:350-2, Aug 64
- Aylett P
- Aylett P, Tonkin R: Gastric secretory activity using the Kay and Hunt test meal methods. *Clin Sci* 26:351-7, Jun 64
- Aylett S
- Aylett S: Cancer risk in ulcerative colitis. *Lancet* 2:820, 10 Oct 64
- Aymedjian HS
- Bank N, Aymedjian HS: A micropuncture study of the renal concentrating defect of potassium depletion. *Amer J Physiol* 206:1347-54, Jun 64
- Ayoub S
- Ayoub S: Conjunctival pockets. *Brit J Ophthalmol* 47:126, Feb 63
- Ayres CM
- Ayres CM, Davey LM, German WJ: Cerebral hydatidosis. Clinical case report with a review of pathogenesis. *J Neurosurg* 20:371-7, May 63
- Ayres S Jr
- Ayres S Jr: The fine art of scratching. *JAMA* 189:1003-7, 28 Sep 64
- Azar HA
- Azar HA: Bacterial infection and wasting in neonatally thymectomized rats. *Proc Soc Exp Biol Med* 116:817-23, Jul 64
- Azar JE
- Azar JE: An unsuccessful trial on production of parasitic pharyngitis (halzoun) in human volunteers. *Amer J Trop Med* 13:582-3, Jul 64
- Azerad E
- Azerad E, Lubetzki J, Kreis H: Quelques réflexions sur le prédiabète. *Presse Med* 72:2195-9, 19 Sep 64 (Fr)
- Azeredo A
- Azeredo A: Corneal trephine. *Brit J Ophthalmol* 48:344, Jun 64
- Azzopardi JG
- Azzopardi JG, How LT: The genesis of adenolymphoma. *J Path Bact* 88:213-8, Jul 64
- B
- Babcock VI
- Southam CM, Shipkey FH, Babcock VI, Bailey E, Erlandson RA: Virus biographies. I. Growth of West Nile and Guaroa viruses in tissue culture. *J Bact* 88:187-99, Jul 64
- Baccaredda-Boy A
- Baccaredda-Boy A: A note on the cutaneous arterial vessels of some primates. *Angiologica (Basel)* 1:209-12, 1964
- Bach FH
- Hirschhorn K, Schreibman RR, Bach FH, Siltzbach LE: In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. *Lancet* 2:842-3, 17 Oct 64
- Bachman K
- Bachman K, Haller JA Jr: Experimental caustic burns of the esophagus. *Surg Forum* 15:307-8, 1964
- Baddeley RM
- Baddeley RM, Nutting RO, Ross TH, Sloop RD, Halasz NA, Orloff MJ: Gastric secretion in experimental liver disease. *Surg Forum* 15:114-6, 1964
- Baddeley RM
- Orloff MJ, Baddeley RM, Ross TH, Nutting RO, Halasz NA, Neebby T: Regulation of aldosterone secretion by an hepatic receptor. *Surg Forum* 15:74-6, 1964
- Badeer HS
- Badeer HS: The stimulus to hypertrophy of the myocardium. *Circulation* 30:128-36, Jul 64
- Baden HP
- Baden HP: Familial Schamberg's disease. *Arch Derm (Chicago)* 90:400, Oct 64
- Bagchi BK
- Güvener A, Bagchi BK, Kool KA, Calhoun HD: Mental and seizure manifestations in relation to brain tumors. A statistical study. *Epilepsia (Amst)* 5:166-76, Jun 64
- Baggett B
- Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI: Clinical, morphological and biochemical studies on a malignant testicular tumor. *J Clin Endocr* 24:528-42, Jun 64
- Bagshawe KD
- Bagshawe KD: Ultra-clean ward for cancer chemotherapy. *Brit Med J* 5413:871-2, 3 Oct 64
- Bagshawe KD
- Bagshawe KD, Wilde CE: Infusion therapy for pelvic trophoblastic tumours. *J Obstet Gynaec Brit Comm* 71:565-70, Aug 64
- Bahn AK
- Bahn AK, Bahn R: Considerations in using social security numbers on birth certificates for research purposes. *Public Health Rep* 79:937-8, Oct 64
- Bahn R
- Bahn AK, Bahn R: Considerations in using social security numbers on birth certificates for research purposes. *Public Health Rep* 79:937-8, Oct 64
- Bailey P
- Bailey P: Vitamin-K deficiency in early pregnancy. *Brit Med J* 5418:1199, 7 Nov 64
- Bailey R
- Southam CM, Shipkey FH, Babcock VI, Bailey R, Erlandson RA: Virus biographies. I. Growth of West Nile and Guaroa viruses in tissue culture. *J Bact* 88:187-99, Jul 64
- Bailey RA
- Bailey RA, Browse NL, Keating VJ: Automatic external cardiac massage: a portable pneumatic external cardiac compression machine. *Brit Heart J* 26:481-9, Jul 64
- Baillet J
- Bricaire H, Joly J, Mathieu de Fossey B, Courjaret J, Baillet J: Exploration du couple hypophyse-thyroïdien à l'aide d'un dérivé de l'imidazol. A propos de 25 observations personnelles. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)
- Baillie A
- Norris JR, Baillie A: Immunological specificities of spore and vegetative cell catalases of *Bacillus cereus*. *J Bact* 88:264-5, Jul 64
- Bain B
- Bain B, MacLean LD, Lowenstein L, Briers S: In vitro test to detect the degree of antigenic difference between individuals. *Surg Forum* 15:151-2, 1964
- Baines AH
- Platt BS, Gray PG, Parr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. *Brit J Nutr* 18:413-29, 1964
- Baines RD Jr
- Baines RD Jr, Rifkind D: Intravenous administration of sodium colistimethate. *JAMA* 190:278-81, 26 Oct 64
- Bains HS
- Gerwing J, Dolman CE, Reichmann ME, Bains HS: Purification and molecular weight determination of Clostridium botulinum type E toxin. *J Bact* 88:216-9, Jul 64
- Baird HR
- Heilman D, Baird HR, Bartter FC: Relationship of maximal tubular phosphate reabsorption to dietary phosphate in the dog. *Amer J Physiol* 207:97-103, Jul 64
- Baird HR
- Heilman D, Baird HR, Bartter FC: Relationship of maximal tubular phosphate reabsorption to filtration rate in the dog. *Amer J Physiol* 207:89-96, Jul 64
- Baird HW 3d
- Spiegel EA, Wycis HT, Szekeley EG, Adams DJ, Flanagan M, Baird HW 3d: Campotomy in various extrapyramidal disorders. *J Neurosurg* 20:871-84, Oct 63
- Bajusz E
- Raab W, Chaplin JP, Bajusz E: Myocardial necrosis produced in domesticated rats and in wild rats by sensory and emotional stresses. *Proc Soc Exp Biol Med* 116:665-9, Jul 64
- Bakay L
- Bakay L, Haque IU: Morphological and chemical studies in cerebral edema. I. Cold induced edema. *J Neuropath Exp Neurol* 23:393-418, Jul 64
- Bakay L



# ABRIDGED INDEX MEDICUS

- Bakay L, Bean EC:** Relative diagnostic value of air study and angiography in suprasellar masses. *J Neurosurg* 20:729-39, Sep 63
- Bakay L**  
**Hallac I, Bakay L:** New instrument for brain biopsy. *J Neurosurg* 20:529-30, Jun 63
- Baker AS**  
**Parrish HM, Baker AS, Bishop FM:** Epidemiology in public health planning for natural disasters. *Public Health Rep* 79:863-7, Oct 64
- Baker E**  
**New PF, Baker E:** Technique of arterial puncture. A new needle-cannula for arteriography. *J Neurosurg* 20:390-6, May 63
- Baker GD**  
**Behr WT, Baker GD, Anthony WL, Penney DG:** Effect of hyocholic acid on cholesterol and bile acid metabolism in the mouse. *Proc Soc Exp Biol Med* 116:442-5, Jun 64
- Baker GS**  
**Baker GS, Kerr FW:** Structural changes in the trigeminal system following compression procedures. *J Neurosurg* 20:181-4, Mar 63
- Baker HL Jr**  
**Olson RW, Baker HL Jr, Svien HJ:** Arteriovenous fistula: a complication of vertebral angiography: report of a case. *J Neurosurg* 20:73-5, Jan 63
- Baker HL Jr**  
**Wheeler EC, Baker HL Jr:** The ophthalmic arterial complex in angiographic diagnosis. *Radiology* 83:26-35, Jul 64
- Baker J**  
**Wilson SD, Polacek MA, Baker J, Ellison EH:** Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. *Surg Forum* 15:365-7, 1964
- Baker JW**  
**Hill LD, Kellogg H Jr, Crampton JH, Jones HW, Baker JW:** Changing management of carcinoma of the thyroid. *Amer J Surg* 108:176-82, Aug 64
- Baker KJ**  
**Hardwicke J, Rankin JG, Baker KJ, Preisig R:** The loss of protein in human and canine hepatic bile. *Clin Sci* 26:509-17, Jun 64
- Baker RJ**  
**Caray J, Suzuki F, Mladick RA, Baker RJ, Shoemaker WC:** Hemodynamic effects of low viscosity dextran in surgical shock. *Surg Forum* 15:22-4, 1964
- Balakrishnan E**  
**Balakrishnan E, Abraham JE, Naimuddin M:** Unusual foreign body in the conjunctiva. *Brit J Ophthalmol* 47:250-2, Apr 63
- Balassa JJ**  
**Schroeder HA, Balassa JJ, Vinton WH Jr:** Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. *J Nutr* 83:239-50, Jul 64
- Baldini E**  
**Baldini E, Lincoln JR:** Treatment of acute hypertensive crises in surgical patients. *JAMA* 190:157-8, 12 Oct 64
- Baldrige RC**  
**Baldrige RC, Auerbach VH:** The metabolism of histidine. VI. Histidinemia and imidazolepyruvic aciduria. *J Biol Chem* 239:1557-9, May 64
- Baldwin JN**  
**Baldwin JN, Albo R, Jaffe B, Silen W:** Metabolic effects of selective and total vagotomy. *Surg Forum* 15:303-5, 1964
- Baldwin M**  
**Baldwin M, Ommaya AK, Farrier R, MacDonald F:** Mesial cerebral incision. *J Neurosurg* 20:679-86, Aug 63
- Baldwin M**  
**Baldwin M:** Dural instrument. *J Neurosurg* 20:447, May 63
- Baldwin M**  
**Baldwin M, Farrier R, MacDonald F, Ommaya AK:** Cerebral deposition of drugs at low temperatures. *J Neurosurg* 20:637-46, Aug 63
- Baldwin M**  
**Ommaya AK, Baldwin M:** Extravascular local cooling of the brain in man. *J Neurosurg* 20:8-20, Jan 63
- Baldwin RW**  
**Baldwin RW:** Modification of cell antigens during aminoazo dye carcinogenesis in rat liver. *Brit J Cancer* 18:285-98, Jun 64
- Balfour J**  
**Goodman GB, Balfour J:** Carcinoma of bladder: cobalt therapy. *J Urol* 92:30-6, Jul 64
- Bálint P**  
**Bálint P, Châtel R, Fekete A, Forgács I:** Haemodynamics and oxygen consumption of the kidney in post-ischaemic renal failure. *Clin Sci* 26:471-7, Jun 64
- Ball JK**  
**Ball JK, Field WE, Roe FJ, Walters M:** The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. *Brit J Urol* 36:225-37, Jun 64
- Ball JS**  
**Ball JS:** Pigmentation of the primary dentition: pathogenesis and diagnostic implications. *Clin Pediatr (Phila)* 3:394-404, Jul 64
- Ball LW**  
**Ball LW, Lowry RH:** Space flight problems—mechanical, medical, and moral. *JAMA* 189:1013-5, 28 Sep 64
- Balla GA**  
**Urschel HC, Finney JW, Balla GA, Mallams JT:** Regional oxygenation of the ischemic myocardium with hydrogen peroxide. *Surg Forum* 15:273-4, 1964
- Ballou CE**  
**Lee YC, Ballou CE:** Structural studies on the myo-inositol mannosides from the glycolipids of *Mycobacterium tuberculosis* and *Mycobacterium phlei*. *J Biol Chem* 239:1316-27, May 64
- Ballou CE**  
**Hendrickson HS, Ballou CE:** Ion exchange chromatography of intact brain phospholipids on diethylaminoethyl cellulose by gradient salt elution in a mixed solvent system. *J Biol Chem* 239:1369-73, May 64
- Balsano F**  
**Balsano F, Pitucco G, Musca A, Di Noto V:** New interpretation of oral glucose tolerance. *Lancet* 2:865, 17 Oct 64
- Bamshad J**  
**Bamshad J, Lerner AB:** S-adenosylmethionine in skin. *J Invest Derm* 43:115-7, Aug 64
- Bamshad J**  
**Bamshad J, Lerner AB, McGuire JS:** Catechol O-methyl transferase in skin. *J Invest Derm* 43:111-3, Aug 64
- Bandur BM**  
**Dienes L, Bandur BM, Madoff S:** Development of L-type growth in *Neisseria gonorrhoeae* cultures. *J Bact* 87:1471-6, Jun 64
- Banerjee AB**  
**Banerjee AB, Bose SK:** Biosynthesis of mycobactin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. *J Bact* 87:1402-5, Jun 64
- Banerjee AB**  
**Banerjee AB, Bose SK:** Biosynthesis of mycobactin, a new antifungal peptide. I. Role of nucleic acid. *J Bact* 87:1397-401, Jun 64
- Banerjee AB**  
**Banerjee AB, Bose SK:** Biosynthesis of mycobactin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. *J Bact* 87:1402-5, Jun 64
- el-Banhawy A**  
**Higazi I, el-Banhawy A:** The value of angiography in the differential diagnosis of pulsating exophthalmos: a report of 3 cases. *J Neurosurg* 21:561-6, Jul 64
- Bank N**  
**Bank N, Aynedjian HS:** A micropuncture study of the renal concentrating defect of potassium depletion. *Amer J Physiol* 206:1347-54, Jun 64
- Banks WL Jr**  
**Yatvin MB, Wannemacher RW Jr, Banks WL Jr:** Effects of thiouracil and of thyroidectomy of liver protein metabolism. *Endocrinology* 74:878-84, Jun 64
- Banzon TC**  
**De la Cruz B, Pesigan TP, Banzon TC, Sevilla J, Donato C, Cruz A, Castro V:** A report on the labeling of *Schistosoma japonicum* cercariae with radioiron. *Amer J Trop Med* 13:545-7, Jul 64
- Baqai M**  
**Ward R, Durgé NG, Arya J, Baqai M:** Myocardial toxoplasmosis. *Lancet* 2:723-5, 3 Oct 64
- Barata JR**  
**Root HD, Barata JR:** Influence of gastric pressure on effects of gastric freezing. *Surg Forum* 15:330-2, 1964
- Barber A**  
**Barber A:** Expenditure on N.H.S. practice premises. The Minister's letter. *Lancet* 2:686-7, 20 Sep 64
- Barber TX**  
**Barber TX, Karacan I, Calverley DS:** "Hypnotizability" and suggestibility in chronic schizophrenics. *Arch Gen Psychiat (Chicago)* 11:439-51, Oct 64
- Barbour BH**  
**Barbour BH, Gill JR Jr, Bartter FC:** Effects of angiotensin on the toad skin. *Proc Soc Exp Biol Med* 116:806-8, Jul 64
- Barclay S**  
**Barclay S:** Congenital biliary atresia. *Aust New Zeal J Surg* 34:24-6, Aug 64
- Bard J**  
**Lyons H, Bard J:** Gas chromatographic determination of lower alcohols in biologic samples. *Clin Chem* 10:429-32, May 64
- Bard LA**  
**Bard LA, Gills JP:** Quinine amblyopia. *Arch Ophthalmol (Chicago)* 72:328-31, Sep 64
- Barfatani M**  
**Puhvel SM, Barfatani M, Warnick M, Sternberg TH:** Study of antibody levels to *Corynebacterium* acnes. In the serum of patients with acne vulgaris, using bacterial agglutination, agar gel immunodiffusion, and immunofluorescence techniques. *Arch Derm (Chicago)* 90:421-7, Oct 64
- Bargen JA**  
**Gardner MD, Bargen JA:** Hemolytic anemia secondary to salicylazosulfapyridine therapy. *JAMA* 190:71-2, 5 Oct 64
- Barger AC**  
**Herd JA, Barger AC:** Simplified technique for chronic catheterization of blood vessels. *J Appl Physiol* 19:791-2, Jul 64
- Barka T**  
**Barka T, Scheuer PJ, Schaffner F, Popper H:** Structural changes of liver cells in copper intoxication. *Arch Path (Chicago)* 78:331-49, Oct 64
- Barkay S**  
**Hauer Y, Barkay S:** Vitreous detachment in aphakic eyes. *Brit J Ophthalmol* 48:341-3, Jun 64
- Barker HG**  
**Pittman FE, Denning CR, Barker HG:** Albumin metabolism in cystic fibrosis. *Amer J Dis Child* 108:360-5, Oct 64
- Barker HG**  
**Smith RE 3d, Vorhees AB, Davidson EA, Barker HG:** Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. *Surg Forum* 15:98-9, 1964
- Barker M**  
**Wilson CB, Barker M:** Behavior of human glioma cells in cerebrospinal fluid. *Surg Forum* 15:431-2, 1964
- Barker SB**  
**Barker SB, Shimada M:** Some aspects of metabolism of thyroxine and of analogues devoid of the phenolic group. *Mayo Clin Proc* 39:609-25, Aug 64
- Barkulis SS**  
**Heymann H, Manniello JM, Zeleznick LD, Barkulis SS:** Structure of streptococcal cell walls. II. Group A
- biose and group A triose from C-polysaccharide. *J Biol Chem* 239:1656-63, May 64
- Barlow D**  
**Barlow D:** A cough-belt to prevent and treat postoperative pulmonary complications. *Lancet* 2:736, 3 Oct 64
- Barlow SP**  
**Barlow SP, Komarov SA, Shay H:** Effect of total adrenalectomy on gastric secretion in chronic gastric fistula rats. *Amer J Physiol* 206:1309-14, Jun 64
- Barlyn LW**  
**Barlyn LW, Berggren RB, Lehr HB:** Frozen skin autografts protected by dimethyl sulfoxide. *Surg Forum* 15:475-7, 1964
- Barner HB**  
**Barner HB, Breslau RC, Schwartz SI, McCormack RM:** Cryotolerance of superoxygenated human skin explants. *Surg Forum* 15:477-8, 1964
- Barnes MG**  
**Barnes MG, Brainerd H:** Pneumonitis with alveolar-capillary block in a cattle rancher exposed to epizootic bovine abortion. *New Eng J Med* 271:981-5, 5 Nov 64
- Barnett RV**  
**Barnett RV, Bolen JW:** Abdominal pregnancy: Pitfall and paradox. *Southern Med J* 57:1288-93, Nov 64
- Barnett SA**  
**Barnett SA:** The biology of aggression. *Lancet* 2:803-7, 10 Oct 64
- Barois A**  
**Rapin M, Amstutz P, Gorce F, Barois A, Goulon M:** Anurie par néphropathie interstielle aiguë au décours d'un traitement prolongé par la phénindione. *Presse Med* 72:2279-84, 23 Sep 64 (Fr)
- Baron DN**  
**Khattab AA, Baron DN:** Differential 17-oxosteroid excretion in women with cancer of the breast following hypophysectomy. *Brit J Cancer* 18:342-53, Jun 64
- Barr AB**  
**Martin MM, Barr AB, Howe JS:** Coexisting hyperparathyroidism and Paget's disease. *Arch Intern Med (Chicago)* 114:482-6, Oct 64
- Barr HW**  
**Drake CG, Barr HW, Coles JC, Gergely NF:** The use of extracorporeal circulation and profound hypothermia in the treatment of ruptured intracranial aneurysm. *J Neurosurg* 21:575-81, Jul 64
- Barracough MA**  
**Lee J, Jones JJ, Barracough MA:** Inappropriate secretion of vasopressin. *Lancet* 2:792-3, 10 Oct 64
- Barratt TM**  
**Barratt TM, Edwards RW, Makin HL, Clayton BE:** Varieties of adrenal hyperplasia in children. *Proc Roy Soc Med* 57:527-9, Jun 64
- Barraya L**  
**Barraya L, Le Bras A:** Ouverture et fermeture de l'hépatocholédoque. Une technique. *Presse Med* 72:2537-40, 17 Oct 64 (Fr)
- Barreto HP**  
**Pazzanese D, Ramos OL, Lanfranchi W, Portugal OP, Finatti AA, Barreto HP, Sustovich DR:** Serum-lipid levels in a Brazilian Indian population. *Lancet* 2:615-7, 19 Sep 64
- Barros A**  
**Guerrero-Figueroa R, Barros A, Heath RG, Gonzalez G:** Experimental subcortical epileptiform focus. *Epilepsia (Amst)* 5:112-39, Jun 64
- Barros A**  
**Guerrero-Figueroa R, De Balbian Verster F, Barros A, Heath RG:** Cholinergic mechanism in subcortical mirror focus and effects of topical application of gamma-aminobutyric acid and acetylcholine. *Epilepsia (Amst)* 5:140-55, Jun 64
- Barry GT**  
**Barry GT, Roark E:** Synthesis of 4-oxonorleucine and comparison with an amino acid isolated from *Citrobacter freundii*. *J Biol Chem* 239:1541-4, May 64
- Barry H 3d**  
**Barry H 3d, Barry H Jr:** Season of birth in schizophrenics; its relation to social class. *Arch Gen Psychiat (Chicago)* 11:385-91, Oct 64
- Barry H Jr**  
**Barry H 3d, Barry H Jr:** Season of birth in schizophrenics; its relation to social class. *Arch Gen Psychiat (Chicago)* 11:385-91, Oct 64
- Barry WF Jr**  
**McIntosh HD, Whalen RE, Barry WF Jr:** The role of cinefluorography in clinical cardiology: present and future. *Amer Heart J* 68:12-8, Jul 64
- Barsamian EM**  
**Brown H, Patel J, Barsamian EM, Collins SC, McDermott WV Jr:** Cold preservation of liver for homotransplantation. *Surg Forum* 15:215-7, 1964
- Bartels H**  
**Bartels H:** Comparative physiology of oxygen transport in mammals. *Lancet* 2:601-4, 19 Sep 64
- Bartfeld H**  
**Bartfeld H, Juhar JF:** "Immunological organisation" and activity of human peripheral white-blood-cell cultures. *Lancet* 2:767-9, 10 Oct 64
- Barth DS**  
**Barth DS, Stacy RW:** Alveolar carbon dioxide equilibria in breath-holding experiments. *J Appl Physiol* 19:755-9, Jul 64
- Barth E**  
**Kissel E, Leistner GH, Barth E:** A new method for the roentgenologic opacification of the pancreas. *Radiology* 83:6-11, Jul 64
- Barton CJ**  
**Hendrickse JP de, Cockshott WP, Evans KT, Barton CJ:** Pelvic angiography in the diagnosis of malignant trophoblastic disease. *New Eng J Med* 271:859-66, 22 Oct 64
- Bartter FC**  
**Hellman D, Baird HR, Bartter FC:** Relationship of maximal tubular phosphate reabsorption to dietary phosphate in the dog. *Amer J Physiol* 207:97-103, Jul 64
- Bartter FC**



# ABRIDGED INDEX MEDICUS

- Gann DS, Delea CS, Gill JR Jr, Thomas JP, Bartter FC: Control of aldosterone secretion by change of body potassium in normal man. *J Physiol* 207:104-8, Jul 64
- Bartter FC  
Heldman D, Baird HR, Bartter FC: Relationship of maximal tubular phosphate reabsorption to filtration rate in the dog. *Amer J Physiol* 207:89-96, Jul 64
- Bartter FC  
Barbour BH, Gill JR Jr, Bartter FC: Effects of angiotensin on the toad skin. *Proc Soc Exp Biol Med* 116:806-8, Jul 64
- Barsel US  
Barsel US, Sperling O, Frank M, De Vries A: Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. *J Urol* 92:1-5, Jul 64
- Basinger CE  
Rasmussen RA, Basinger CE, Harrison RW, Meade RH: Choice of operation in the treatment of bronchogenic carcinoma. (A review of 813 cases of which 209 were treated by resection). *Dis Chest* 46:190-7, Aug 64
- Bassett FH 3d  
Bassett FH 3d: Dislocations of the tarsometatarsal joints. *Southern Med J* 57:1294-302, Nov 64
- Bassily S  
Farid Z, Bassily S, Omar MS: Ampicillin in treatment of *Salmonella typhi* carriers and *Brucella melitensis* septicaemia. *Lancet* 2:763, 3 Oct 64
- Bateman M  
Whitfield AG, Bateman M, Cooke WT: Temporal arteritis. *Brit J Ophthalmol* 47:555-66, Sep 63
- Bates DV  
Young WA, Shaw DB, Bates DV: Effect of low concentrations of ozone on pulmonary function in man. *J Appl Physiol* 19:785-8, Jul 64
- Bates HR Jr  
Bates HR Jr, Clark RF: Assay of carcinoïd tumor for quinoloid derivatives of 5-hydroxytryptamine. *Amer J Clin Path* 42:55-7, Jul 64
- Batty I  
Batty I, Walker PD: The identification of *Clostridium novyi* (*Clostridium oedematis*) and *Clostridium tetani* by the use of fluorescent labelled antibodies. *J Path Bact* 88:327-8, Jul 64
- Batsdorf U  
Batsdorf U, Malamud N: The problem of multicentric gliomas. *J Neurosurg* 20:122-36, Feb 63
- Bauer B  
Bauer B: Über eine Sonderform der Gierkeschen Glykogenose mit Aktivitätssteigerung der alpha-Glukosidase in der Leber bei vollständigem Glukose-6-phosphatase-Mangel. *Helv Paediatr Acta* 19:13-28, Jun 64 (Ger)
- Bauer GC  
Heaney RP, Bauer GC, Bronner F, Dyming JF, Lafferty FW, Nordin BE, Rich C: A normal reference standard for radiocalcium turnover and excretion in humans. *J Lab Clin Med* 64:21-8, Jul 64
- Bauer S  
Bush IM, Bauer S, Rosenfeld LJ: Aneurysm of the spermatic artery. *J Urol* 92:47-50, Jul 64
- Baulieu EE  
Baulieu EE, Mauvais-Jarvis P: Studies on testosterone metabolism. II. Metabolism of testosterone-4-<sup>14</sup>C and androst-4-ene-3, 17-dione-1,2-<sup>3</sup>H. *J Biol Chem* 239:1578-84, May 64
- Baulieu EE  
Baulieu EE, Mauvais-Jarvis P: Studies on testosterone metabolism. I. Conversion of testosterone-17-alpha-<sup>3</sup>H to 5-alpha- and 5-beta-androstane-3-alpha, 17-beta-deol-17-alpha-<sup>3</sup>H: a new "17-beta-hydroxyl pathway". *J Biol Chem* 239:1569-77, May 64
- Baum V  
Cheung YH, Baum V: The detection and surgery of varices of the lesser saphenous vein. *Vasc Dis* 1:212-3, Jul 64
- Bauman EK  
Werly EF, Bauman EK: Production of submicronic powder by spray-freezing. *Arch Environ Health* (Chicago) 9:567-71, Nov 64
- Bauman JW Jr  
Bauman JW Jr: Nutritional state and the effect of acute water loading in the hypophysectomized rat. *Endocrinology* 74:1001-3, Jun 64
- Baumslag N  
Baumslag N, Metz J: Response to lettuce in a patient with megaloblastic anaemia associated with pregnancy. *S Afr Med J* 38:611-3, 15 Aug 64
- Baxter D  
Welmer HE, Miller JN, Meyers RL, Baxter D, Roberts DM, Godfrey JF, Carpenter CM: The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. *Cancer Res* 24:847-54, Jun 64
- Baxter H  
Baxter H: Fundamental principles of plastic surgery as applied to injuries of the upper extremity. *Surg Clin N Amer* 44:971-8, Aug 64
- Baxex A  
Baxex A, Dupré A, Christol B: Acétonide de fluocinolone (0.01 per cent) sous pansement occlusif: intérêt thérapeutique en dermatologie de cette nouvelle présentation à faible concentration. *Presse Med* 72:2387-8, 3 Oct 64 (Fr)
- Beach AM  
Leonard BJ, Leveaux VM, Beach AM: Autologous marrow-transplant in acute lymphatic leukaemia producing spherocytic red cells. *Lancet* 2:845-4, 17 Oct 64
- Beale D  
Hutchinson HE, Pinkerton PH, Waters P, Lehmann H, Beale D, Douglas AS: Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. *Brit Med J* 5417:1099-103, 31 Oct 64
- Beale D  
Holman CA, Smith AJ, Whimster WF, Beale D, Lehmann H: Hemoglobin J-Baltimore in a Kent family. *Brit Med J* 5414:921-2, 10 Oct 64
- Beale D  
Hutchinson HE, Pinkerton PH, Waters P, Lehmann H, Beale D, Douglas AS: Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. *Brit Med J* 5417:1099-103, 31 Oct 64
- Beal JD  
McCormick WF, Beal JD: Severe epistaxis caused by ruptured aneurysm of the internal carotid artery. *J Neurosurg* 21:878-88, Aug 64
- Bean BC  
Bakay L, Bean BC: Relative diagnostic value of air study and angiography in suprasellar masses. *J Neurosurg* 20:729-39, Sep 63
- Bean WB  
Bean WB: Man in the future. *Arch Intern Med* (Chicago) 114:467-9, Oct 64
- Bearn AG  
Bearn AG, Kitchin FD, Bowman BH: Heterogeneity of the inherited group-specific component of human serum. *J Exp Med* 120:83-91, 1 Jul 64
- Beattie EJ Jr  
Mehl RL, Paul HA, Hanashiro PK, Beattie EJ Jr: Successful treatment of crush and amputation shock following prolonged periods of ischemia. *Surg Forum* 15:1-3, 1964
- Beattie EJ Jr  
Tilney NL, Beattie EJ Jr, Economou SG: Neonatal thymectomy in the dog. *Surg Forum* 15:123-4, 1964
- Beatty DC  
Beatty DC, Masheter HC: The combination of anabolic steroids and corticosteroids in the treatment of rheumatoid arthritis. *Proc Roy Soc Med* 57:671-2, Aug 64
- Beaver PC  
Beaver PC, Rosen L: Memorandum on the first report of *Angiostrongylus* in man, by Nomura and Lin, 1945. *Amer J Trop Med* 13:589-90, Jul 64
- Beck EC  
Lindstrom PA, Beck EC: Suppression of epileptic movements in the presence of grand mal seizure discharges. *J Neurosurg* 20:97-104, Feb 63
- Beck LV  
Beck LV, Roberts N, King C, Wilson JE: Effects of bromobenzene on mouse tissue sulphydryl and insulin-1-131 metabolism. *Proc Soc Exp Biol Med* 116:283-8, Jun 64
- Becker B  
Becker B, Morton WR: Phenylthiourea taste testing and glaucoma. *Arch Ophthalmol* (Chicago) 72:323-7, Sep 64
- Becker FO  
Becker FO, Clark J, Schwartz TB: L-leucine sensitivity and glucose tolerance in normal subjects. *J Clin Endocr* 24:554-9, Jun 64
- Becker LH  
Boyett JD, Stowe DE, Becker LH, Britz WE Jr: Rapid method for determination of cardiac output by indicator dilution techniques. *J Lab Clin Med* 64:160-7, Jul 64
- Becket W  
Becket W: Creating man's environment in tomorrow's cities. *Arch Environ Health* (Chicago) 9:609-14, Nov 64
- Becklake MR  
Newhouse MT, Becklake MR, Macklem PT, McGregor M: Effect of alterations in end-tidal CO<sub>2</sub> tension on flow resistance. *J Appl Physiol* 19:745-9, Jul 64
- Beckwith JB  
Beckwith JB: Sampling of muscle at autopsy in cases of lower motor neuron disease. *Amer J Clin Path* 42:92-3, Jul 64
- Bedford DE  
Bedford DE: Chronic effusive pericarditis. *Brit Heart J* 26:499-512, Jul 64
- Bedford JR  
Bedford JR: Myocardial infarction in pregnancy. Case report. *J Obstet Gynaec Brit Comm* 71:459-60, Jun 64
- Beecher HK  
Beecher HK: Anesthetist as investigator. *Anesthesiology* 25:445-53, Jul-Aug 64
- Beetham WP  
Beetham WP: Visual prognosis of proliferating diabetic retinopathy. *Brit J Ophthalmol* 47:811-9, Oct 63
- Befeler D  
Befeler D: Recurrent appendicitis. Incidence and prophylaxis. *Arch Surg* (Chicago) 89:666-8, Oct 64
- Behar M  
Alexander SC, Wollman H, Cohen PJ, Chase PE, Behar M: Cerebrovascular response to Paco<sub>2</sub> during halothane anesthesia in man. *J Appl Physiol* 19:561-5, Jul 64
- Behbehani AM  
Behbehani AM, Lee LH, Melnick JL: Identification of Thal C-18 virus as a member of the coxsackie virus A20 subgroup. *Proc Soc Exp Biol Med* 116:661-2, Jul 64
- Behr WT  
Behr WT, Baker GD, Anthony WL, Penney DG: Effect of hyocholic acid on cholesterol and bile acid metabolism in the mouse. *Proc Soc Exp Biol Med* 116:442-5, Jun 64
- Behrman S  
Behrman S: Optic neuritis, papillitis, and neuronal retinopathy. *Brit J Ophthalmol* 48:209-17, Apr 64
- Beickert P  
Beickert P: Alternation of hearing after tympanoplasty and stapedectomy. The phenomenon of tension. *Arch Otolaryng* (Chicago) 80:383-7, Oct 64
- Beierwalters WH  
Sisson JC, Beierwalters WH: Effect of thyroidectomy with and without thyroxine replacement on transplantable thyroid tumors in rats. *Endocrinology* 74:925-9, Jun 64
- Beierwaltes WH  
DiGiulino W, Beierwaltes WH: Parathyroid scanning with selenium-75 labelled methionine. *J Nucl Med* 5:417-27, Jun 64
- Bekesi JG  
Macheth RA, Bekesi JG: Tissue glycoproteins in rats bearing Walker 256 carcinoma. *Cancer Res* 24:614-8, May 64
- Bekesi JG  
Macheth RA, Bekesi JG: Effect of transplantable tumors on the serum mucoid fraction of rats' serum. *Surg Forum* 15:362-4, 1964
- Bélanger LF  
Bélanger LF, Robichon J: Parathormone-induced osteolysis in dogs. A microradiographic and alphasitographic survey. *J Bone Joint Surg [Amer]* 46:1008-12, Jul 64
- Belau PG  
Belau PG, Dyer JA, Ogle KN, Henderson JW: Correction of ametropia with intracorneal lenses. An experimental study. *Arch Ophthalmol* (Chicago) 72:541-7, Oct 64
- Belcher JR  
Belcher JR: The surgical treatment of mitral regurgitation. *Brit Heart J* 26:513-23, Jul 64
- Belfrage S  
Wollheim FA, Belfrage S, Cöster C, Lindholm H: Primary "acquired" hypogammaglobulinemia; clinical and genetic aspects of nine cases. *Acta Med Scand* 176:1-16, Jul 64
- Bell JA  
Kapikian AZ, Johnson KM, Chanock RM, Bell JA, Dyke LM, Iler RE: A pilot study of acute respiratory illnesses on a college campus. *Amer Rev Resp Dis* 90:175-82, Aug 64
- Bell JF  
Bell JF, Thomas LA: A new virus, "MML", enzootic in bats (*Myotis lucifugus*) of Montana. *Amer J Trop Med* 13:607-12, Jul 64
- Bellau AR  
Bellau AR: The blood pressure in myxoedema coma. *Brit J Clin Pract* 18:387-93, Jul 64
- Bellet S  
Sandberg H, Rezaei M, Bellet S, Feinberg LJ, Moliver S, Gelber L: Fibrinolytic activity of human tissues from adult and infant cadavers. *J Lab Clin Med* 64:99-106, Jul 64
- Belmusto L  
Belmusto L, Brown E, Owens G: Clinical observations on respiratory and vasomotor disturbance as related to cervical cordotomies. *J Neurosurg* 20:225-32, Mar 63
- Belmusto L  
Belmusto L, Woldring S, Owens G: Centrifugal respiratory pathway in the spinal cord. *Surg Forum* 15:418-9, 1964
- Belzer FO  
Belzer FO, Park HY, Vetto RM: Factors influencing renal blood flow during isolated perfusion. *Surg Forum* 15:222-4, 1964
- Bemmels VG  
Bemmels VG: Survey of mental health problems in social agency caseloads. *Amer J Psychiat* 121:136-47, Aug 64
- Ben Dor D  
Kornbluth W, Aladjemoff L, Magora F, Ben Dor D: Intraocular pressure in children measured under general anesthesia. *Arch Ophthalmol* (Chicago) 72:489-90, Oct 64
- Ben-Ishai R  
Ben-Ishai R, Lahav M, Zamir A: Control of uracil synthesis by arginine in *Escherichia coli*. *J Bact* 87:1436-42, Jun 64
- Benacerraf B  
Ovary Z, Bloch KJ, Benacerraf B: Identification of rabbit, monkey, and dog antibodies with PCA activity for guinea pigs. *Proc Soc Exp Biol Med* 116:840-5, Jul 64
- Benarde MA  
Benarde MA, Kuchler RJ: Quantitative effects of alkyl benzene sulfonate (ABS) on KB cells in tissue culture. *Proc Soc Exp Biol Med* 116:781-4, Jul 64
- Bendersky G  
Padova J, Patchefsky A, Onesti G, Faludi G, Bendersky G: The effect of glucose loads on renal uric acid excretion in diabetic patients. *Metabolism* 13:507-12, Jun 64
- Benditt EP  
Benditt EP, Eriksen N: Amyloid. II. Starch gel electrophoretic analysis of some proteins extracted from amyloid. *Arch Pathol* (Chicago) 78:325-30, Oct 64
- Benditt EP  
Smuckler EA, Iseri OA, Benditt EP: Studies on carbon tetrachloride intoxication. II. Depressed amino acid incorporation into mitochondrial protein and cytochrome c. *Lab Invest* 13:531-8, Jun 64
- Bendixen HH  
Laver MB, Morgan J, Bendixen HH, Radford EP Jr: Lung volume, compliance, and arterial oxygen tensions during controlled ventilation. *J Appl Physiol* 19:725-33, Jul 64
- Benesch R  
Benesch R, Gibson QH, Benesch RE: Rates of reaction of hemoglobin H with ligands. *J Biol Chem* 239:1668-9, May 64
- Benesch RE  
Benesch R, Gibson QH, Benesch RE: Rates of reaction of hemoglobin H with ligands. *J Biol Chem* 239:1668-9, May 64
- Benichou C  
Albony R, Benichou C, Chouraki L, Solal C: Dorsalgies bénignes dites essentielles, de l'adulte jeune. *Presse Med* 72:2515-7, 17 Oct 64 (Fr)
- Benitez L  
Benitez L, Shaka JA: Cell proliferation in experimental hydronephrosis and compensatory renal hyperplasia. *Amer J Path* 44:961-72, Jun 64
- Benkó A  
Kahan A, Kahan IL, Benkó A: Acquired acanthocytosis and myelophthisis in a case of Eales' disease. *Brit J Ophthalmol* 47:632-7, Oct 63
- Benkó A  
Kahan A, Kahan IL, Benkó A: Erythrocytic anomalies in hereditary vitreo-retinal degeneration



# ABRIDGED INDEX MEDICUS

- (degeneratio hyaloideoretinalis).  
Brit J Ophthal 47:820-31, Oct 63
- Bennett B**  
Bennett B, Licursi P: Action of isoimmune serum on peritoneal cells in vitro.  
Proc Soc Exp Biol Med 116:404-9, Jun 64
- Bennett IL**  
Madden SC, Moritz A, Dixon FJ, Bennett IL: Panel discussion. The need for staff and facilities to develop the research potential in pathology.  
Lab Invest 13:683-93, Jun 64
- Bennett JE**  
Bennett JE, Mohler L: Arm tourniquet tolerance in unanesthetized adults. Surg Forum 15:463-5, 1964
- Benson PF**  
Benson PF, Butler NR, Goffe AP, Knight GJ, Laurence GD, Miller CL, Pollock TM: Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. Brit Med J 5413:851-3, 3 Oct 64
- Bentall HH**  
Melrose DG, Bentall HH, McMillan IK, Flege JB, Alvarez Diaz FR, Nahas RA, Fantley R, Carson J: The evolution of a mitral-valve prosthesis.  
Lancet 2:623-4, 19 Sep 64
- Beppu M**  
Beppu M, Arima K: Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. J Bact 88:151-7, Jul 64
- Beppu M**  
Arima K, Beppu M: Induction and mechanisms of arsenite resistance in *Pseudomonas pseudomallei*. J Bact 88:143-50, Jul 64
- Beppu M**  
Beppu M, Arima K: Decreased permeability as the mechanism of arsenite resistance in *Pseudomonas pseudomallei*. J Bact 88:151-7, Jul 64
- Be**  
Gilboa Y, Rumney G, Ber A: "Virilizing" adrenal hyperplasia in an elderly man; association with chronic fatigue and fever.  
Arch Intern Med (Chicago) 114:475-81, Oct 64
- Berah M**  
Berah M: Some aspects of the immunology of leucocytes. Med J Aust 2:292-6, 22 Aug 64
- Berberian GM**  
Berberian GM, Kuyama T, Geever EF, Levenson SM: Wound healing defect in lathyrism.  
Surg Forum 15:50-2, 1964
- Berci G**  
Berci G, Stevenson JK, Nyhus LM, Harkins HN, Majewska A, Smuckler E: The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. Amer J Surg 108:250-6, Aug 64
- Berenblum I**  
Mirvish S, Cividalli G, Berenblum I: Slow elimination of urethan in relation to its high carcinogenicity in newborn mice.  
Proc Soc Exp Biol Med 116:265-8, Jun 64
- Berendsohn S**  
Berendsohn S, Lowman J, Sundberg D, Watson CJ: Idiopathic dyserythropoietic jaundice.  
Blood 24:1-18, Jul 64
- Berg EM**  
Marcks KM, Trevaskis AE, Berg EM, Puchner G: Nasal defects associated with cleft lip deformity. Plast Reconstr Surg 34:176-81, Aug 64
- Berg O**  
Berg O, Kallén B: Effect of mononuclear blood cells from multiple sclerosis patients on neuroglia in tissue culture.  
J Neuropath Exp Neurol 23:550-9, Jul 64
- Berger EC**  
Berger EC, Elvidge AR: Medulloblastomas and cerebellar sarcomas: a clinical survey.  
J Neurosurg 20:139-44, Feb 63
- Berger R**  
Orentreich N, Berger R: Sulfamethoxazole therapy in pustular acne. Curr Ther Res 6:377-80, May 64
- Berggren RB**  
Barlyn LW, Berggren RB, Lehr HB: Frozen skin autografts protected by dimethyl sulfoxide.  
Surg Forum 15:475-7, 1964
- Bergman M**  
Bergman M: The FIT test. Monaural threshold finding through binaural fusion.  
Arch Otolaryng (Chicago) 80:440-9, Oct 64
- Bergofsky EH**  
Bergofsky EH: Relative contributions of the rib cage and the diaphragm to ventilation in man.  
J Appl Physiol 19:698-706, Jul 64
- Bering EA Jr**  
Bering EA Jr, Sato O: Hydrocephalus: changes in formation and absorption of cerebrospinal fluid within the cerebral ventricles.  
J Neurosurg 20:1050-63, Dec 63
- Berio A**  
Nordio S, Lamedica GM, Vignolo L, Berio A: Disaccharide intolerance and mucoviscidosis.  
Lancet 2:819, 10 Oct 64
- Berkman S**  
Henry RJ, Fernandez AA, Berkman S: Studies on the determination of bile pigments. VI. Urobilinogen in urine as urobilinogen-aldehyde.  
Clin Chem 10:440-6, May 64
- Berliner SD**  
Berliner SD, Burson LC, Lear PE: Use and abuse of intraperitoneal drains in colon surgery.  
Arch Surg (Chicago) 89:686-9, Oct 64
- Berlyne GM**  
Berlyne GM, Varley H, Nilwarangkur S, Hoerni M: Endogenous-creatinine clearance and glomerular-filtration rate. Lancet 2:874-6, 24 Oct 64
- Berman V**  
Berman V: Duodenal ulceration in children.  
Clin Radiol 15:267-70, Jul 64
- Bernard HR**  
Cole WR, Bernard HR: Relationship of skin carriage to postoperative staphylococcal wound infection.  
Surg Forum 15:52-4, 1964
- Bernard-Well E**  
Bernard-Well E, David M: Preoperative hormonal treatment in cases of cerebral tumor.  
J Neurosurg 20:841-8, Oct 63
- Bernatz PE**  
Pappas G, Jones JM, Bernatz PE, Schirger A: Femoral aneurysms. Review of surgical management.  
JAMA 190:489-93, 9 Nov 64
- Berne RM**  
Bunag RD, Douglas CR, Imai S, Berne RM: Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. Circ Res 15:83-8, Jul 64
- Bernet MA**  
Hoshino K, Bernet MA: 3-methylcholanthrene concentration and clearance in some adipose tissues in mice. Cancer Res 24:648-51, May 64
- Bernhard WF**  
Bernhard WF, Somers LA, Krick H, Abe T, Cunanan O, McDonald S: Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. Surg Forum 15:197-8, 1964
- Bernhard WF**  
Kevy SV, Glickman RM, Bernhard WF, Gross RE, Diamond LK: Quantitative assay of the fibrinolytic system in open heart surgery.  
Surg Forum 15:282-3, 1964
- Bernkopf H**  
Hanna L, Bernkopf H: Trachoma viruses isolated in the United States. 8. Separation of TRIC viruses from related agents by immunofluorescence.  
Proc Soc Exp Biol Med 116:827-31, Jul 64
- Bernstein DS**  
Guri CD, Bernstein DS: Effect of parathyroid hormone on mucopolysaccharide synthesis in rachitic rat cartilage in vitro.  
Proc Soc Exp Biol Med 116:702-5, Jul 64
- Bernstein EF**  
Castaneda AR, Bernstein EF, Varco RL: Tolerance to chronic hemolysis. Surg Forum 15:84-6, 1964
- Bernstein PW**  
Bernstein PW, King RB: Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation.  
J Neurosurg 21:687-98, Aug 64
- Bernstein RE**  
Bernstein RE: The sodium and potassium contents of South African foodstuffs, with special reference to low-sodium diets and potassium supplementation.  
S Afr Med J 38:873-8, 22 Aug 64
- Berry H**  
Berry H: Bitemporal of the visual fields due to an ocular cause. Brit J Ophthal 47:441-4, Jul 63
- Berry H**  
Berry H: Examination of the central portion of the visual fields at the bedside: a method of increased accuracy of assessment of the central 30 degrees vision on confrontation.  
Brit J Ophthal 47:435-40, Jul 63
- Berry WB**  
McLaughlin JS, Buckley MJ, Berry WB, Morrow AG: Pulmonary vascular responses to hypoxia and their modification by pharmacologic sympathectomy.  
Surg Forum 15:185-8, 1964
- Berry WT**  
Platt BS, Gray PG, Parr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Brit J Nutr 18:413-29, 1964
- Bertók L**  
Bertók L, Kemenes F, Simon G: Fatal leptospirosis icterohaemorrhagica induced by ethionine in albino rats. J Path Bact 88:329-31, Jul 64
- Bertrand PV**  
Crooke AC, Butt WR, Palmer RF, Bertrand PV, Carrington SP, Edwards RL, Anson CJ: Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea.  
J Obstet Gynaec Brit Comm 71:571-85, Aug 64
- Best FA**  
Best FA: Buccal oxytocin.  
Brit Med J 5414:942, 10 Oct 64
- Best PV**  
Best PV: Metastatic carcinoma in a meningioma: report of a case. J Neurosurg 20:892-4, Oct 63
- Bethlenfalvy NC**  
Bethlenfalvy NC, Nusynowitz ML: Temporal arteritis; a rarity in the young adult.  
Arch Intern Med (Chicago) 114:487-9, Oct 64
- Bettendorf G**  
Bettendorf G, Bieckwoldt M, Knorr K, Stegner HE: Gravidität nach Hypophysektomie und Behandlung mit hypophysärem Humangonadotropin.  
Deutsch Med Wschr 89:1952-7, 9 Oct 64 (Ger)
- Bettley FR**  
Bettley FR: Chlublain lupus erythematosus.  
Proc Roy Soc Med 57:515-6, Jun 64
- Beumer HM**  
Beumer HM: A ten-year review of spontaneous pneumothorax in an armed forces hospital.  
Amer Rev Resp Dis 90:261, Aug 64
- Bevan JA**  
Su C, Bevan JA, Ursillo RC: Electrical quiescence of pulmonary artery smooth muscle during sympathomimetic stimulation. Circ Res 15:26-7, Jul 64
- Bevis DC**  
Bevis DC: Diagnosis of placenta praevia by angiography. Obstetrical aspects.  
Proc Roy Soc Med 57:700-2, Aug 64
- Bewley DK**  
Shewell J, Wright EA, Bewley DK, Silvester A: The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation.  
J Path Bact 83:61-71, Jul 64
- Bewley TH**  
Bewley TH: Acute water-intoxication from compulsive water-drinking.  
Brit Med J 5413:864, 3 Oct 64
- Beye HK**  
Mackenzie RB, Beye HK, Valverde L, Garrón H: Epidemic hemorrhagic fever in Bolivia. I. A preliminary report of the epidemiologic and clinical findings in a new epidemic area in South America.  
Amer J Trop Med 13:620-5, Jul 64
- Bezard J**  
Bezard J, Heuguet Y: Chirurgie du cancer de l'oesophage à deux équipes.  
Presse Med 72:2117-8, 29 Aug 64 (Fr)
- Bezer AE**  
Torli M, Kabat EA, Bezer AE: Separation of teichoic acid of *Staphylococcus aureus* into two immunologically distinct specific polysaccharides with alpha- and beta-N-acetylglucosaminyl linkages respectively. Antigenicity of teichoic acids in man.  
J Exp Med 120:13-29, 1 Jul 64
- Bhaduri AM**  
Bhaduri AM, Srere PA: Mitochondrial stimulation of fatty acid biosynthesis.  
J Biol Chem 239:1357-63, May 64
- Bhajakar AB**  
Bhajakar AB, Joseph M, Bhat HS: Unattached nephroblastoma. Brit J Urol 36:187-90, Jun 64
- Bhat HS**  
Bhajakar AB, Joseph M, Bhat HS: Unattached nephroblastoma. Brit J Urol 36:187-90, Jun 64
- Bhatti T**  
Bouzarth WF, Bhatti T, Holst HI: Production of clinical forms of head injury in the dog.  
Surg Forum 15:421-3, 1964
- Bianchi A**  
Lerner LJ, Turkheimer AR, Bianchi A, Singer FM, Borman A: Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids.  
Proc Soc Exp Biol Med 116:385-8, Jun 64
- Bianchi M**  
Morello G, Bianchi M: Cerebral hemangioblastomas: review of literature and report of two personal cases.  
J Neurosurg 20:254-64, Mar 63
- Bickley H**  
Bickley H: Experimental lathyrism: apparent antithesis of aging in connective tissue.  
J Amer Geriatr Soc 12:717-30, Aug 64
- Biedenbach MA**  
Biedenbach MA, Freeman WJ: Click-evoked potential map from the superior olivary nucleus.  
Amer J Physiol 206:1408-14, Jun 64
- Biederman I**  
Shapiro A, Goodenough DR, Biederman I, Sleser I: Dream recall and the physiology of sleep.  
J Appl Physiol 19:778-83, Jul 64
- Biegeleisen JZ Jr**  
Biegeleisen JZ Jr: Immunofluorescent staining of *Bacillus anthracis* in dried beef. J Bact 88:260-1, Jul 64
- Bierman HR**  
Nelson ER, Bierman HR, Chulajata R: Hematologic findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand.  
Amer J Trop Med 13:642-9, Jul 64
- Bierman HR**  
Nelson ER, Bierman HR: Dengue fever: a thrombocytopenic disease?  
JAMA 190:99-103, 12 Oct 64
- Biggers JD**  
Creed RF, Biggers JD: Placental haemophagous organs in the procyonidae and mustelidae.  
J Reprod Fertil 8:133-7, Aug 64
- Biggs WW**  
Cummins CF, Biggs WW, Whiting JC: The first half-million miles. Med J Aust 2:348-52, 29 Aug 64
- Bilger R**  
Büchner C, Bilger R, Overbeck W, Miklaw H, Reindell H: Geburt bei einer Patientin mit künstlichem Schrittmacher des Herzens.  
Deutsch Med Wschr 89:1932-3, 9 Oct 64 (Ger)
- (Billingham RE)**  
(Billingham RE), Murray JE: Presentation to Rupert E. Billingham, D.Sc., F.R.S., of the honorary award of the American Association of Plastic Surgeons.  
Plast Reconstr Surg 34:117-20, Aug 64
- Billingham RE**  
Billingham RE: Honorary award acceptance speech.  
Plast Reconstr Surg 34:121-2, Aug 64
- Billings SD**  
Lentini EA, Billings SD: Carbon dioxide effects on myocardial contractility.  
Proc Soc Exp Biol Med 116:484-5, Jun 64
- Billow BW**  
Billow BW, Thompson EA, Stern A, Florio A: A clinical study of erythromycin: a comparative evaluation of several salts.  
Curr Ther Res 6:381-4, May 64
- Bingham WG**  
Genest AS, Bingham WG, Hamilton RD: Bilateral subdural empyema. Report of a case with arteriograms. J Neurosurg 20:524-6, Jun 63
- Binkley FM**  
Wylie EJ, Binkley FM, Albo RF: Femoropopliteal endarterectomy: operative modifications and consideration of effects of outflow lesions.  
Amer J Surg 108:215-23, Aug 64
- Biörck G**  
Biörck G, Böttiger LE, Orinius E: Leukocytosis during corticosteroid therapy.  
Acta Med Scand 176:127-8, Jul 64
- Bird R**  
Cohen SL, Legg S, Bird R: Abedside method of blood-glucose estimation. Lancet 2:883-4, 24 Oct 64
- Birdsell DC**  
Lindsay WK, Tustanoff ER, Birdsell DC: Uptake of tritiated proline in regenerating tendon.  
Surg Forum 15:459-61, 1964
- Birdsong S**  
Pate JW, Birdsong S: Carotid air embolism. An experimental study in cats.  
Arch Surg (Chicago) 89:685, Oct 64
- Birkenfeld R**  
Birkenfeld R, Fisher RG: Successful treatment of



# ABRIDGED INDEX MEDICUS

- causalgia of upper extremity with medullary spinothalamic tractotomy. Case report and review of the literature. *J Neurosurg* 20:303-11, Apr 63
- Birks DA**
- Birks DA:** Herpes zoster ophthalmicus in an 8-year-old child. *Brit J Ophthalmol* 47:60-1, Jan 63
- Birmingham RT**
- Stahlman M, LeQuire VS, Young WC, Merrill RE, Birmingham RT, Payne GA, Gray J:** Pathophysiology of respiratory distress in newborn lambs. Circulatory, biochemical, and pathological considerations. *Amer J Dis Child* 108:375-93, Oct 64
- Birnstingl MA**
- Black KO, Birnstingl MA:** Insulinoma with symptoms for thirty years. *Proc Roy Soc Med* 57:675-6, Aug 64
- Bishop FM**
- Parrish HM, Baker AS, Bishop FM:** Epidemiology in public health planning for natural disasters. *Public Health Rep* 79:863-7, Oct 64
- Bishop FS**
- Rogosa M, Bishop FS:** The genus *Veillonella*. 3. Hydrogen sulfide production by growing cultures. *J Bact* 88:37-41, Jul 64
- Bishun NP**
- Bishun NP, Morton WR:** Chromosome mosaicism in Stein-Leventhal syndrome. *Brit Med J* 5418:1200, 7 Nov 64
- Bjersing L**
- Andrén L, Bjersing L, Lagergren J:** Congenital aplasia of the abdominal muscles with urogenital malformations. *Acta Radiol [Diagn] (Stockholm)* 2:298-304, Jul 64
- Bjorksten J**
- Bjorksten J, Andrews F:** Chemical mechanisms underlying the biological mechanisms of the aging process. *J Amer Geriatr Soc* 12:627-31, Jul 64
- Bjorulf P**
- Bjorulf P:** Atherosclerosis in different parts of the arterial system. *Amer Heart J* 68:41-50, Jul 64
- Black RK**
- Black RK:** Management of posterior dislocation of the lens after zonulolysis. *Brit J Ophthalmol* 47:764-5, Dec 63
- Black A**
- Gensini GG, DiGiorgi S, Serra C, Coskun O, Black A:** Coronary angiography. *Vasc Dis* 1:34-44, Jan 64
- Black KO**
- Black KO, Birnstingl MA:** Insulinoma with symptoms for thirty years. *Proc Roy Soc Med* 57:675-6, Aug 64
- Black MM**
- Black MM, Ansley HR, Mandl R:** On cell specificity of histones. *Arch Path (Chicago)* 78:350-68, Oct 64
- Black WC**
- Ferrans VJ, Hibbs RG, Black WC, Weilbaecher DG:** Isoproterenol-induced myocardial necrosis. A histochemical and electron microscopic study. *Amer Heart J* 68:71-90, Jul 64
- (Blackfan KD)**
- (Dandy WE), (Blackfan KD), Wilkins RH:** Neurosurgical classic. XX. *J Neurosurg* 21:586-635, Jul 64
- Blackmore DJ**
- Blackmore DJ, Mitchell G:** Use of a modified minicoil for continuous dialysis. *Brit Med J* 5413:847-50, 3 Oct 64
- Blagg CR**
- Blagg CR, Glanville JN:** Bilateral renal artery stenosis with aldosteronism. *Brit J Radiol* 37:554-7, Jul 64
- Blainey JD**
- Lannigan R, Blainey JD, Brewer DB:** Electron microscopy of the diffuse glomerular lesion in diabetes mellitus with special reference to early changes. *J Path Bact* 88:255-61, Jul 64
- Blair E**
- Blair E, Henning G, Hornick R, Cowley RA:** Hypothermia in bacteremic shock. *Arch Surg (Chicago)* 89:619-29, Oct 64
- Blair E**
- Attar SM, Esmond WG, Blair E, Cowley RA:** Hyperbaric oxygenation in massive pulmonary embolism. *Surg Forum* 15:200-2, 1964
- Blair EB**
- Cary SG, Blair EB:** New transport medium for shipment of clinical specimens. I. Fecal specimens. *J Bact* 88:96-8, Jul 64
- Blair PB**
- Feder BH, Blair PB:** Preoperative irradiation: evaluation by a simple experimental model. *Radiology* 83:111-9, Jul 64
- Blaisdell WP**
- Tassopoulos NM, Caylor GG, Finnerty M, Blaisdell WP, Williams GR:** The effect of total body perfusion on digitalis tolerance. *Dis Chest* 46:130-7, Aug 64
- Blake AD Jr**
- Vander Veer JB, Robinson HJ, Blake AD Jr:** Abdominal aortic aneurysm with vena caval fistula. Report of a case with observations on an unusual clinical course. *Arch Intern Med (Chicago)* 114:551-4, Oct 64
- Blake J**
- Blake J:** Current developments in ophthalmology. Fibrinolysis in retinal vascular occlusion. *Proc Roy Soc Med* 57:493-4, Jun 64
- Blakemore WS**
- McKenna JM, Sanderson RP, Blakemore WS:** Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. *Cancer Res* 24:754-62, May 64
- Blalock FA**
- Corpe RF, Blalock FA:** Alternating regimens of streptomycin-pyrazinamide, isoniazid-para-aminosalicylic acid at Battey State Hospital. *Amer Rev Resp Dis* 90:262-5, Aug 64
- Blank CE**
- Blank CE:** Some aspects of chromosome mosaicism in clinical medicine. *Lancet* 2:903-6, 24 Oct 64
- Blank ML**
- Verdino B, Blank ML, Privett OS, Lundberg WO:** Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. *J Nutr* 83:234-8, Jul 64
- Blankenhorn DH**
- Blankenhorn DH:** Relation of diffuse aortic calcification to atherosclerotic calcification. *J Atheroscler Res* 4:313-24, Jul-Aug 64
- Blasberg G**
- Blasberg G, Edmunds RT, Finby N:** Effect of cholecystokinin on the normal common duct after cholecystectomy. *Surg Forum* 15:375-7, 1964
- Blattman JE**
- Schultz RL, Blattman JE:** Uptake of ethionine-ethyl-H3 by the rat conceptus. *Proc Soc Exp Biol Med* 116:604-7, Jul 64
- Blattner RJ**
- Blattner RJ:** Generalized BCG infection. *J Pediatr* 65:311-4, Aug 64
- Blecher M**
- Blecher M:** Effects of cortisol on the metabolism of glucose by lymphoid tissue. *J Biol Chem* 239:1299-300, May 64
- Bleicher SJ**
- Bleicher SJ, Moldow CF, Scherrer J, Goldner MG:** A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. *Metabolism* 13:583-6, Jun 64
- Bleicher SJ**
- Bleicher SJ, O'Sullivan JB, Freinkel N:** Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. *New Eng J Med* 271:866-72, 22 Oct 64
- Blendis LM**
- Kreel L, Blendis LM, Piercy JE:** Pneumo-mediastinography by the trans-sternal method. *Clin Radiol* 15:219-23, Jul 64
- Blennemann H**
- Stroder J, Blennemann H:** Metabolic alkalosis in pyloric stenosis. *Lancet* 2:914-5, 24 Oct 64
- Biereau RP**
- Biereau RP, Weingarten CM:** Diabetic acidosis secondary to steroid therapy. *New Eng J Med* 271:836, 15 Oct 64
- Bleuler M**
- Bleuler M:** Ursache und Wesen der schizophrenen Geistesstörungen. II. Folgerungen aus unseren heutigen Kenntnissen und Bedeutung der Therapie. *Deutsch Med Wschr* 89:1947-52, 9 Oct 64 (Ger)
- Blincoe E**
- Innerfield I, Harvey R, Luongo F, Blincoe E:** Urine peptidase activity following single and multiple oral doses of streptokinase. *Proc Soc Exp Biol Med* 116:573-5, Jul 64
- Blinder S**
- Blinder S:** A clinical study of ethchlorvynol in cardiac patients. *Curr Ther Res* 6:373-6, May 64
- Bliss HA**
- Bliss HA, Moffat JE:** Hemodynamic events during the development of cyanosis and heart failure in a patient with large ventricular septal defect. *Circulation* 30:101-5, Jul 64
- Bloch E**
- Bloch E:** Metabolism of 4-14C-progesterone by human fetal testis and ovaries. *Endocrinology* 74:833-45, Jun 64
- Bloch EH**
- Bloch EH, Coyas SI:** The transit of large molecules and particulate matter across individual endothelial cells analyzed in living animals with television microphotometry. *Angiology* 15:353-61, Aug 64
- Bloch KJ**
- Ovary Z, Bloch KJ, Benacerraf B:** Identification of rabbit, monkey, and dog antibodies with PCA activity for guinea pigs. *Proc Soc Exp Biol Med* 116:840-5, Jul 64
- Block MA**
- Couris GD, Block MA, Rupe CE:** Gastrointestinal complications of collagen diseases. Surgical implications. *Arch Surg (Chicago)* 89:695-700, Oct 64
- Block WD**
- Block WD, Markovs ME, Westhoff MH:** Excretion of 1- and 3-methylhistidine by human subjects after oral administration of L-histidine. *Proc Soc Exp Biol Med* 116:736-8, Jul 64
- Bloemendal H**
- Bloemendal H, Bont WS, Bosch L:** Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. *Cancer Res* 24:994-7, Jul 64
- Blois MS Jr**
- Blois MS Jr, Kallman RF:** The incorporation of C14 from 3,4-dihydroxyphenylalanine-2-C14 into the melanin of mouse melanomas. *Cancer Res* 24:863-8, Jun 64
- Bloom JL**
- Falconer DS, Bloom JL:** Changes in susceptibility to urethane-induced lung tumours produced by selective breeding in mice. *Brit J Cancer* 18:322-32, Jun 64
- Bloom MH**
- Palumbo LT, Sharpe WS, Lulu DJ, Bloom MH, Dragstedt LR 2d, Lawson LJ:** Distal antrectomy with vagotomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. *Arch Surg (Chicago)* 89:637-44, Oct 64
- Bloomer WE**
- Caplan BB, Halasz NA, Bloomer WE:** Resection and ligation of the suprarenal inferior vena cava. *J Urol* 92:25-9, Jul 64
- Bloomfield D**
- Thomas J, Sinclair-Smith B, Bloomfield D, Davachi A:** Non-surgical retrieval of a broken segment of steel spring guide from the right atrium and inferior vena cava. *Circulation* 30:106-8, Jul 64
- Blount WP**
- Hermis RA, Blount WP:** Effect of open reduction on fracture healing. *Surg Forum* 15:448-50, 1964
- Blow RJ**
- Blow RJ:** Polyvalent influenza vaccine in general practice. *Brit Med J* 5414:943, 10 Oct 64
- Blum A**
- Graham WP 3d, Gordan GS, Loken HF, Blum A, Halden A:** Effect of pregnancy and of the menstrual cycle on hypoparathyroidism. *J Clin Endocr* 24:512-6, Jun 64
- Blum J**
- Tourniaire A, Blum J, Tartulier M, Deyrieux F:** Coeur pulmonaire chronique sclérodermique. *Presse Med* 72:2269-72, 23 Sep 64 (Fr)
- Blumberg BS**
- Blumberg BS:** Goiter in Gandhara. A representation in a second to third century AD frieze. *JAMA* 189:1008-12, 28 Sep 64
- Blumenkrantz N**
- Houssay AB, Blumenkrantz N:** Changes in glycoproteins in serum, urine and aqueous humor after gonadectomy or sex hormone injections in rats. *Endocrinology* 74:825-32, Jun 64
- Blumenstock DA**
- Lempert N, Blumenstock DA:** Survival of dogs after bilateral reimplantation of the lungs. *Surg Forum* 15:179-81, 1964
- Blumenthal G**
- Greenberg DM, Blumenthal G, Ramadan ME:** Effect of administration of the enzyme glutaminase on the growth of cancer cells. *Cancer Res* 24:957-63, Jul 64
- Blumenthal MD**
- Blumenthal MD, Reinhart MJ:** Psychosis and convulsions following withdrawal from ethchlorvynol. *JAMA* 190:154-5, 12 Oct 64
- Boake WC**
- Whiffen JD, Boake WC, Gott VL:** Non-suture thrombus resistant vascular anastomosis rings for organ transplantation. *Surg Forum* 15:218-9, 1964
- Boass A**
- Boass A, Wilson TH:** Intestinal absorption of intrinsic factor and B12-intrinsic factor complex. *Amer J Physiol* 207:27-32, Jul 64
- Boatman DL**
- Boatman DL, Brody MJ:** Analysis of vascular responses in the spleen. *Amer J Physiol* 207:155-61, Jul 64
- Boba A**
- Boba A, Powers SR Jr:** Diuresis following administration of the antidiuretic hormone. *Surg Forum* 15:20-1, 1964
- Bobr LW**
- Bobr LW, Lorenz FW, Ogasawara FX:** Distribution of spermatozoa in the oviduct and fertility in domestic birds. I. Residence sites of spermatozoa in fowl oviducts. *J Reprod Fertil* 8:39-47, Aug 64
- Bobr LW**
- Bobr LW, Ogasawara FX, Lorenz FW:** Distribution of spermatozoa in the oviduct and fertility in domestic birds. II. Transport of spermatozoa in the fowl oviduct. *J Reprod Fertil* 8:49-58, Aug 64
- Bockner S**
- Bockner S:** Neurological symptoms with phenothiazines. *Brit Med J* 5413:876, 3 Oct 64
- Boelsche AN**
- Hansen AE, Wiese HF, Adam DJ, Boelsche AN, Haggard ME, Davis H, Newsom WT, Pesut L:** Influence of diet on blood serum lipids in pregnant women and newborn infants. *Amer J Clin Nutr* 15:11-9, Jul 64
- Boerema WJ**
- Boerema WJ:** Priapism: case report and review of mechanism. *Med J Aust* 2:340-1, 29 Aug 64
- Bogner PH**
- Bogner PH, Haines IA:** Functional development of active sugar transport in the chick intestine. *Amer J Physiol* 207:37-41, Jul 64
- Böhme D**
- Böhme D, Paal G, Kersten W, Kersten H:** Instability of myelin antigens derived from human brain. *Lancet* 2:886-8, 24 Oct 64
- Boito A**
- Eisenberg R, Young D, Jacobson B, Boito A:** Familial supravalvular aortic stenosis. *Amer J Dis Child* 108:341-7, Oct 64
- Boldrey E**
- Phillips TL, Sheline GE, Boldrey E:** Therapeutic considerations in tumors affecting the central nervous system: ependymomas. *Radiology* 83:98-105, Jul 64
- Bolen JW**
- Barnett RV, Bolen JW:** Abdominal pregnancy: Pitfall and paradox. *Southern Med J* 57:1288-93, Nov 64
- Bolinger RE**
- Bolinger RE, Stephens RR:** Comparison of disappearance from plasma of insulin I-131 and of insulin-like activity. *Proc Soc Exp Biol Med* 116:812-3, Jul 64
- Bond VP**
- Nielsen NO, Feinendegen LE, Bond VP, Odartchenko N, Cottier H:** In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. *Proc Soc Exp Biol Med* 116:498-501, Jun 64
- Bondi A**
- Tagari H, Dror Y, Ascarelli I, Bondi A:** The influence of levels of protein and starch in rations of sheep on the utilization of protein. *Brit J Nutr* 18:333-56, 1964
- Bonduelle M**
- Sigwald J, Bonduelle M, Salion C, Raverdy P, Plot C, Steenbrugge A van:** Un nouvel anti-épileptique: le carbamylidibenzazepine ou 5-carbamoyl-5-H-dibenzo (b, f) azépine (G. 32883). *Presse Med* 72:2323-4, 26 Sep 64 (Fr)
- Bonis A**
- Auquier L, Bonis A, Hamburger J, Lhermitte F, Péquignot H:** Etat actuel du traitement de la maladie de Parkinson. *Presse Med* 72:2531-4, 17 Oct 64 (Fr)
- Bonnal J**
- Paillass JE, Bonnal J, Lavielle J:** Angiographic images of false aneurysmal sac caused by rupture of median meningeal artery in the course of traumatic extradural hematoma: report of 3 cases. *J Neurosurg* 21:667-71, Aug 64
- Bonnal J**
- Paillass JA, Bonnal J, Payan H, Pruvost A:** Les thromboses puerpérales du sinus longitudinal



# ABRIDGED INDEX MEDICUS

- supérieur. (Deux observations)  
Presse Med 72:2265-8, 23 Sep 64 (Fr)
- Bono RF**  
Bono RF, Slattery JR, Grossi CE, Rousselot LM: Hepatic regulation of fibrinolysis—the liver as the source of inhibitor. Surg Forum 15:94-5, 1964
- Bono VH Jr**  
Bono VH Jr, Weissman SM, Frei E 3d: The effect of 6-azauridine administration on de novo pyrimidine production in chronic myelogenous leukemia. J Clin Invest 43:1486-94, Jul 64
- Bonsnes RW**  
Lubash GD, Phillips RE, Shields JD 3d, Bonsnes RW: Acute aniline poisoning treated by hemodialysis. Report of a case. Arch Intern Med (Chicago) 114:530-2, Oct 64
- Bont WS**  
Bloemendal H, Bont WS, Bosch L: Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Cancer Res 24:994-7, Jul 64
- Booher KD**  
Scribner A, Booher KD, McShane WK, Constantine JW, Miknius S: Some cardiovascular actions of benzulamide. J Pharmacol Exp Ther 144:131-7, Apr 64
- Borell U**  
Borell U, Rådborg C: Orthodiagraphic pelvimetry with special reference to capacity of distal part of pelvis and pelvic outlet. Acta Radiol [Diagn] (Stockholm) 2:273-82, Jul 64
- Borenstein DB**  
Rovin S, Dachi SF, Borenstein DB, Cotter WB: Mandibulofacial dysostosis, a familial study of five generations. J Pediatr 65:215-21, Aug 64
- Borison HL**  
Rech RH, McCarthy LE, Borison HL: EEG after intracerebroventricular tetrodotoxin in cats. Proc Soc Exp Biol Med 116:434-7, Jun 64
- Borman A**  
Hilf R, Freeman JJ, Michel I, Borman A: Characterization of a transplantable lactating mammary tumor: endocrinological, morphological, and biochemical aspects. Cancer Res 24:812-23, Jun 64
- Borman A**  
Lerner LJ, Turkheimer AR, Bianchi A, Singer FM, Borman A: Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. Proc Soc Exp Biol Med 116:385-8, Jun 64
- Borman EK**  
Karakawa WW, Borman EK, McFarland CR: Typing of group A streptococci by immunofluorescence. I. Preparation and properties of type I fluorescein-labeled antibody. J Bact 87:1377-82, Jun 64
- Bornside GH**  
Bornside GH, Merritt CB, Weil AC: Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. J Bact 87:1443-51, Jun 64
- Borrebaek B**  
Abraham S, Borrebaek B, Chaikoff IL: Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. J Nutr 83:273-88, Jul 64
- Borrone C**  
Durand P, Borrone C, Scarabocchi S, Razzi A: Iperplasmia delle areole mammarie e dei genitali esterni con ginecomastia in corso di trattamento con griseofulvina. Minerva Med 55:2422-5, 18 Aug 64 (It)
- Borsanyi SJ**  
Borsanyi SJ: Some aspects of the cortical auditory recovery function in the cat. Ann Otol 73:312-26, Jun 64
- Bortnick RJ**  
Bortnick RJ, Murphy JP: Paraparesis with incontinence of bowel and bladder. A syndrome of bilateral subdural hematomas. J Neurosurg 20:352-3, Apr 63
- Bortot G**  
Arslan M, Bortot G: General anesthesia in the ultrasound irradiation of the posterior labyrinth in severe Meniere's disease. Ann Otol 73:328-31, Jun 64
- Borts IH**  
Hendricks SL, Borts IH: Observations on brucellosis in Iowa. Public Health Rep 79:868-70, Oct 64
- Borud O**  
Gjessing LR, Borud O: Urinary vanilpyruvic acid neuroblastoma. Lancet 2:818, 10 Oct 64
- Bosch L**  
Bloemendal H, Bont WS, Bosch L: Ribonucleotide and amino acid transfer from soluble RNA to microsomes from normal and neoplastic tissue. Cancer Res 24:994-7, Jul 64
- Bose SK**  
Banerjee AB, Bose SK: Biosynthesis of mycobactin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. J Bact 87:1402-5, Jun 64
- Bose SK**  
Banerjee AB, Bose SK: Biosynthesis of mycobactin, a new antifungal peptide. I. Role of nucleic acid. J Bact 87:1397-401, Jun 64
- Bose SK**  
Banerjee AB, Bose SK: Biosynthesis of mycobactin, a new antifungal peptide. II. Relation between streptomycin dependence and biosynthesis. J Bact 87:1402-5, Jun 64
- Bosher LH Jr**  
Mannick JA, Brooks JW, Bosher LH Jr, Hume DM: Ruptured aneurysms of the abdominal aorta; a reappraisal. New Eng J Med 271:915-20, 29 Oct 64
- Boston FC**  
Swinyard EA, Boston FC, Goodman LS: Effect of epinephrine and norepinephrine on excitability of central nervous system of mice. J Pharmacol Exp Ther 144:52-9, Apr 64
- Bossenmaier I**  
Watson CJ, Taddei L, Bossenmaier I: Present status of the Ehrlich Aldehyde reaction for urinary porphobilinogen. JAMA 190:501-4, 9 Nov 64
- Bossi E**  
Bossi E: Der Einfluss des ABO-Blutgruppensystems auf die Entstehung des durch Rhesusinkompatibilität bedingten Morbus haemolyticus neonatorum. Helv Paediatr Acta 19:34-41, Jun 64 (Ger)
- Bostian KE**  
Smith DW, Bostian KE: Congenital anomalies associated with idiopathic mental retardation. J Pediatr 65:189-96, Aug 64
- Botterell EH**  
Wortzman G, Botterell EH: A mobile ependymoma of the filum terminale. J Neurosurg 20:164-8, Feb 63
- Böttiger LE**  
Blörck G, Böttiger LE, Orinius E: Leukocytosis during corticosteroid therapy. Acta Med Scand 176:127-8, Jul 64
- Bottomley JE**  
Bottomley JE, Lloyd O, Chalmers DG: Postoperative prophylactic anticoagulants in gynaecology. A ten-year study. Lancet 2:835-6, 17 Oct 64
- Boudreau RP**  
Antlitz AM, Boudreau RP: Congenital isolated mitral insufficiency. Report of two cases. Dis Chest 46:229-34, Aug 64
- Boulin DJ**  
Boulin DJ: Effect of deoxypyridoxine on signs of pyridoxine deficiency and intestinal 5-hydroxytryptamine. Brit J Nutr 18:319-23, 1964
- Bourdillon RE**  
Drawneck W, O'Brien MJ, Goldsmith HJ, Bourdillon RE: Industrial methyl-bromide poisoning in fumigators. A case report and field investigation. Lancet 2:855-6, 17 Oct 64
- Bourne EW**  
Bourne EW, Jones RW: Effects of 1,3,5, (10), 16 estratetraen-3-ol on mammalian L-fibroblasts in vitro. Proc Soc Exp Biol Med 116:762-6, Jul 64
- Bourne HH**  
Bourne HH, Tremblay RE, Ansell JS: Stupor, hypercalcemia and carcinoma of the renal pelvis. New Eng J Med 271:1005-8, 5 Nov 64
- Boussier J**  
Boussier J: Diagnostic des splénomégales en pratique médicale. Presse Med 72:2223-6, 19 Sep 64 (Fr)
- Bouzarth WF**  
Bouzarth WF, Phatti T, Holst HI: Production of clinical forms of head injury in the dog. Surg Forum 15:421-3, 1964
- Bove JR**  
Albright JA, Southwick WO, Bove JR: Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. JAMA 190:548-50, 9 Nov 64
- Bovy GL**  
Coelst M, Bovy GL, Maurice Coelst, M.D. Brit J Plast Surg 17:325, Jul 64
- Bowden DH**  
Goyer RA, Yin MW, Bowden DH: Taurine excretion following drug-induced muscle necrosis and x-irradiation. Proc Soc Exp Biol Med 116:53-3, Jun 64
- Bower BF**  
Bower BF, Mason DM, Forsham PH: Bronchogenic carcinoma with inappropriate antidiuretic activity in plasma and tumor. New Eng J Med 271:934-8, 29 Oct 64
- Bower HM**  
Bower HM: Old age in Western society. I. Med J Aust 2:285-92 contd, 22 Aug 64
- Bower HM**  
Bower HM: Old age in Western society. II. Med J Aust 2:325-32 concl, 29 Aug 64
- Bower JD**  
Magee JH, Hume DM, Kaufman HM, Bower JD: Massive diuresis following renal homotransplantation. Proc Soc Exp Biol Med 116:480-3, Jun 64
- Bowler RG**  
MacRae DJ, Irani JB, Bowler RG, Longhurst PL: A comparison between vaginal cytology and urinary hormone excretion during pregnancy. J Obstet Gynaec Brit Comm 71:586-93, Aug 64
- Bowles WT**  
Rosenthal MG, Bowles WT: Bilirubinuria: report of a case treated with TWSb. J Urol 92:72-4, Jul 64
- Bowman B**  
LePage GA, Jung IG, Bowman B: Biochemical and carcinostatic effects of 2'-deoxythioguanosine. Cancer Res 24:835-40, Jun 64
- Bowman BH**  
Bearn AG, Kitchen FD, Bowman BH: Heterogeneity of the inherited group-specific component of human serum. J Exp Med 120:83-91, 1 Jul 64
- Bowser EN**  
Williams GA, Henderson WJ, Bowser EN: Amino acid transport by rat parathyroid glands in vivo: effect of low calcium diet. Proc Soc Exp Biol Med 116:651-3, Jul 64
- Boxer GE**  
Shonk CE, Boxer GE: Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. Cancer Res 24:709-21, May 64
- Boxer GE**  
Shonk CE, Koven BJ, Majima H, Boxer GE: Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. Cancer Res 24:722-31, May 64
- Boyd AD**  
Gonzalez LL, Boyd AD, Altmeier WA: Susceptibility of vascular sutures to infection in experimental bacteremia. Surg Forum 15:68-9, 1964
- Boyd HB**  
Boyd HB, Salvatore JE: Acute fracture of the femoral neck: internal fixation or prosthesis? J Bone Joint Surg [Amer] 46:1066-8, Jul 64
- Boyd JF**  
Boyd JF, Nedelkoska N: Inclusion-bearing cells in urinary sediment in infectious diseases. J Path Bact 88:115-24, Jul 64
- Boyett JD**  
Boyett JD, Stowe DE, Becker LH, Britz WE Jr: Rapid method for determination of cardiac output by indicator dilution techniques. J Lab Clin Med 64:160-7, Jul 64
- Boydland E**  
Boydland E, Roe FJ, Gorrod JW, Mitchley BC: The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Brit J Cancer 18:265-70, Jun 64
- Boyle DC**  
Collipp PJ, Kaplan SA, Boyle DC, Plachte F, Kogut MD: Constitutional isosexual precocious puberty. Effects of medroxyprogesterone acetate therapy. Amer J Dis Child 108:399-405, Oct 64
- Boyle DC**  
Collipp PJ, Kaplan SA, Boyle DC, Shimizu CS: Protein bound human growth hormone. Metabolism 13:532-8, Jun 64
- Boyle DM**  
Boyle DM, Morton P, Pantridge JF: The electrocardiogram in pulmonary valve stenosis with intact ventricular septum. Brit Heart J 26:477-80, Jul 64
- Boyle J 3d**  
Boyle J 3d, Little RC: Study of hemodynamic factors which alter the sequence of the second heart sound. Amer Heart J 68:91-7, Jul 64
- Boyle JA**  
Thomson JA, Boyle JA, McGirr EM, Tilston RG: Clinical trial of modified gamma camera for thyroid scanning. Lancet 2:714-6, 3 Oct 64
- Boyle TM**  
Fearley ME, Rainer EH, Taverner D, Boyle TM, Miles DW: Cervical sympathetic block in treatment of Bell's palsy. A controlled trial. Lancet 2:725-7, 3 Oct 64
- Brace AA**  
Brace AA, Spriggs EA: Bed rest and institutional treatment in pulmonary tuberculosis. Amer Rev Resp Dis 90:163-93, Aug 64
- Bradley WE**  
Bradley WE, Chou SN, French LA: Further experience with the radio transmitter receiver unit for the neurogenic bladder. J Neurosurg 20:953-60, Nov 63
- Bragioni JR**  
Bragioni JR, Roessky N, Carver M: Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. Proc Soc Exp Biol Med 116:365-8, Jul 64
- Braham JE**  
Bressani R, Elias LG, Braham JE: All-vegetable protein mixtures for human feeding. X. Studies in dogs on the absorption of gaspup from cottonseed flour-containing vegetable protein mixtures. J Nutr 83:209-17, Jul 64
- Brainerd H**  
Barnes MG, Brainerd H: Pneumonitis with alveolar-capillary block in a cattle rancher exposed to epizootic bovine abortion. New Eng J Med 271:981-5, 5 Nov 64
- Brake CM**  
Brake CM, Emerson TE, Wittman LE, Hinchshaw LB: Alteration of vascular responses to endotoxin by adrenergic blockade. Amer J Physiol 207:149-51, Jul 64
- Brandt H**  
Lombardo L, Alonso P, Sáenz Arroyo I, Brandt H, Humberto Mateos J: Cerebral amaebiasis: report of 17 cases. J Neurosurg 21:704-9, Aug 64
- Brandt J**  
Dreyer JJ, Du Bruyn DB, Brandt J, Lombard JH, Schweigart F: A preliminary note on the nutrient composition and protein value of green maize. S Afr Med J 38:646-52, 22 Aug 64
- Brandt WW**  
Brandt WW, Budrys RS: Sorption of hydrogen chloride and trifluoroacetic acid on poly-L-leucine and poly-L-leucine. J Biol Chem 239:1442-8, May 64
- Bränemark PI**  
Bränemark PI, Aspenren K, Breine U: Microcirculatory studies in man by high resolution vital microscopy. Ardiology 15:329-32, Aug 64
- Brantigan OC**  
Goco RV, Brantigan OC, Kress MB: An experimental study of bronchial glands. Dis Chest 46:114-20, Aug 64
- Braren F**  
Achenbrenner R, Braren F, Erdmann KW: Akuter Herzinfarkt und Lungenstauung. Eine klinisch-röntgenologische studie. Deutsch Med Wschr 89:1777-81, 18 Sep 64 (Ger)
- Braun H**  
Schmitt W, Pippig L, Braun H: Die Splenoportographie bei Leberkranken. Deutsch Med Wschr 89:1790-4, 18 Sep 64 (Ger)
- Braun MB**  
Braun MB: A new plastic intravenous cannula. Anesthesiology 25:570, Jul-Aug 64
- Braun RM**  
Braun RM: Experimental peripheral nerve repair tubulation. Surg Forum 15:452-4, 1964
- Braun T**  
Fabry P, Hejz, Fodor J, Braun T, Zvolankova K: The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. Lancet 2:614-5, 19 Sep 64
- Braunwald E**  
Harrison DC, Chidsey CA, Braunwald E: Effect of hemorrhagic shock on release of norepinephrine by tyramine. Amer J Physiol 206:1262-6, Jun 64
- Braunwald E**  
Mason DT, Braunwald E, Ross J Jr, Morrow AG: Diagnostic value of the first and second derivatives of the arterial pressure pulse in aortic valve disease and in hypertrophic subaortic stenosis. Circulation 30:90-100, Jul 64
- Braunwald E**  
Mason DT, Braunwald E: Effects of guanethidine, reserpine, and methyldopa on reflex venous and arterial conduction in man. J Clin Invest 43:1449-63, Jul 64



# ABRIDGED INDEX MEDICUS

- Braunwald E, Brawley RK, Morrow AG, Braunwald E: Direct determinations of aortic regurgitant flow in man. *Surg Forum* 15:259-61, 1964
- Braunwald NS, Reis RL, Gay WA Jr, Braunwald NS, Morrow AG: Gradual closure of aortopulmonary septal defects. *Surg Forum* 15:268-7, 1964
- Bray EA, Macdonald WF, Woodard GH, Leonard F: Follow-up notes on articles previously published in the *Journal*. Clineplasty—ten years later. *J Bone Joint Surg [Amer]* 46:1137-8, Jul 64
- Braverman M, Richards V, Braverman M, Florida R, Persidsky M, Lowenstein J: Initial clinical experiences with liquid nitrogen preserved blood, employing PVP as a protective additive. *Amer J Surg* 108:313-22, Aug 64
- Brawley RK, Morrow AG, Braunwald E: Direct determinations of aortic regurgitant flow in man. *Surg Forum* 15:259-61, 1964
- Bray PF, Wiser WC: Evidence for a genetic etiology of temporal-central abnormalities in focal epilepsy. *New Eng J Med* 271:926-33, 29 Oct 64
- Breckwoldt M, Bettendorf G, Breckwoldt M, Knorr K, Stegner HE: Gravidität nach Hypophysektomie und Behandlung mit hypophysärem Humangonadotropin. *Deutsch Med Wschr* 89:1952-7, 9 Oct 64 (Ger)
- Bredell GA, Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Bredell GA, Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Bréne U, Bränemark PI, Aspegren K, Bréne U: Microcirculatory studies in man by high resolution vital microscopy. *Angiology* 15:329-32, Aug 64
- Brendler H, Leliter E, Brendler H: Method of urinary diversion which preserves continence: description of surgical technique and postoperative electrolyte study. *J Urol* 92:37-41, Jul 64
- Brennan JC, Edlich RF, Upson JF, Brennan JC: Electrocautery in percutaneous liver biopsy. *JAMA* 190:68-9, 5 Oct 64
- Breslau RC, Barner HB, Breslau RC, Schwartz SI, McCormack RM: Cryotolerance of superoxigenated human skin explants. *Surg Forum* 15:477-8, 1964
- Bresnick E, Bresnick E, Karjala RJ: End-product inhibition of thymidine kinase activity in normal and leukemic human leukocytes. *Cancer Res* 24:841-6, Jun 64
- Bressani R, Bressani R, Elias LG, Braham JE: All-vegetable protein mixtures for human feeding. XV. Studies in dogs on the absorption of gassypol from cottonseed flour-containing vegetable protein mixtures. *J Nutr* 83:209-17, Jul 64
- Bressler R, Bressler R, Friedberg SJ: The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. *J Biol Chem* 239:1384-8, May 64
- Brettschneider L, Mundth ED, DeFalco AT, Jacobson YG, Brettschneider L, McClenathan JE: Importance of preventing renal vascular collapse during period of renal ischemia in kidney transplantation. *Surg Forum* 15:219-21, 1964
- Brewer DB, Brewer DB: Electron-microscope observations on the phagocytosis of neutrophil polymorphonuclear leukocytes by macrophages. *J Pathol Bact* 88:307-9, Jul 64
- Brewer DB, Lannigan R, Blainey JD, Brewer DB: Electron microscopy of the diffuse glomerular lesion in diabetes mellitus with special reference to early changes. *J Pathol Bact* 88:255-61, Jul 64
- Brewer LA 3d, Carter R, Brewer LA 3d: Subphrenic abscess: a thoracoabdominal clinical complex: the changing picture with antibiotics. *Amer J Surg* 108:165-74, Aug 64
- Brewster WR Jr, Hardaway RM, Elovitz MJ, Brewster WR Jr, Houchin DN: Clotting time of heparinized blood. Influence of acidosis. *Arch Surg (Chicago)* 89:701-5, Oct 64
- Bricaire H, Bricaire H, Joly J, Mathieu de Fossey B, Courjaret J, Baillet J: Exploration du couple hypophyso-thyroïdien à l'aide d'un dérivé de l'imidazole. A propos de 25 observations personnelles. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)
- Bricker NS, Klahr S, Bricker NS: Na transport by isolated turtle bladder during anaerobiosis and exposure to KCN. *Amer J Physiol* 206:1333-9, Jun 64
- Bridenbaugh E, Brody JA, Bridenbaugh E: Prophylactic gamma globulin and live measles vaccine in an island of measles. *Lancet* 2:811-3, 10 Oct 64
- Bridges JW, Williams RT, Bridges JW: Fluorescence of solutions: a review. *J Clin Path* 17:371-94, Jul 64
- Briers S, Bain B, MacLean LD, Lowenstein L, Briers S: In vitro test to detect the degree of antigenic difference between individuals. *Surg Forum* 15:161-2, 1964
- Brigham DW 3d, Rigden MC, Brigham DW 3d, Nelson JS, Hershey FB: Histogenesis of breast cancer. *Surg Forum* 15:356-7, 1964
- Brine KL, Moses JM, Ebert RH, Graham RC, Brine KL: Pathogenesis of inflammation. I. The production of an inflammatory substance from rabbit granulocytes in vitro and its relationship to leucocyte pyrogen. *J Exp Med* 120:57-82, 1 Jul 64
- Brink JJ, LePage GA: Metabolism and distribution of 9-beta-D-arabinofuranosyladenine in mouse tissues. *Cancer Res* 24:1042-9, Jul 64
- Brinkhous KM, Roberts HR, Penick GD, Brinkhous KM: Intensive plasma therapy in the hemophilias. *JAMA* 190:548-8, 9 Nov 64
- Brinkhous KM, Brinkhous KM: Expanding career opportunities for pathologists trained in research. *Lab Invest* 13:640-6, Jun 64
- Brinkley PC, Brinkley PC: Regulating distribution and use of pesticides. *Arch Environ Health (Chicago)* 9:639-42, Nov 64
- Brinkman ML, Rouhandeh H, Chronister RR, Brinkman ML: Propagation of encephalomyocarditis virus in swine embryo kidney cells. *Proc Soc Exp Biol Med* 116:610-2, Jul 64
- Brinsfield D, Brinsfield D, Hopf MA, Mayer SE, Galletti PM: Body fluids and electrolytes after prolonged cardiopulmonary bypass. *J Appl Physiol* 19:566-70, Jul 64
- Briscoe WA, Ravin MB, Briscoe WA: Blood-gas transfer, hemolysis, and diffusing capacity in a bubble tonometer. *J Appl Physiol* 19:784-90, Jul 64
- Briscoe WA, Gómez DM, Briscoe WA, Cumming G: Continuous distribution of specific tidal volume throughout the lung. *J Appl Physiol* 19:683-92, Jul 64
- Britman NA, Britman NA, Levine HJ: Contractile element work: a major determinant of myocardial oxygen consumption. *J Clin Invest* 43:1397-408, Jul 64
- Britman NA, Levine HJ, Britman NA: Force-velocity relations in the intact dog heart. *J Clin Invest* 43:1383-96, Jul 64
- Britt LG, Sherman RT, Britt LG, Wilson H: Experimental replacement of the common bile duct. *Surg Forum* 15:371-3, 1964
- Britten MJ, Britten MJ, Palmer CA: Glaucoma and inactive syphilitic interstitial keratitis. *Brit J Ophthalmol* 48:181-90, Apr 64
- Britz WE Jr, Boyett JD, Stowe DE, Becker LH, Britz WE Jr: Rapid method for determination of cardiac output by indicator dilution techniques. *J Lab Clin Med* 64:160-7, Jul 64
- Brizard J, Thoyer-Rozat J, Seneze J, Brizard J: A propos de la conduite à tenir vis-à-vis des nouveau-nés de mère diabétique. *Presse Med* 72:2541-2, 17 Oct 64 (Fr)
- Brock JF, Brock JF: The training of the physician. Adaptation of medical education to regional needs. *New Eng J Med* 271:989-93, 5 Nov 64
- Brock JF, Thatcher GN, Dreosti JM, Brock JF: Observations on the effects of the addition of different levels of sodium chloride to a protein-depletion diet. *S Afr Med J* 38:682-4, 22 Aug 64
- Brock TD, Brock TD: Host range of certain virulent and temperate bacteriophages attacking group D streptococci. *J Bact* 88:165-71, Jul 64
- Brockhurst RJ, Okamura ID, Schepens CL, Brockhurst RJ, Regan CD, McMeel JW: The scleral buckling procedures. VII. Silicone implants in reoperations. *Arch Ophthalmol (Chicago)* 72:297-308, Sep 64
- Brockman SK, Brockman SK, Snyder HE, Collins HA: Relationship of ventricular pressure, aortic pressure and flow, and their alteration by the Starr aortic valve. *Surg Forum* 15:255-7, 1964
- Brockman SK, Vasko JS, Brockman SK: Massive venous occlusion of the lower extremity. *Surg Forum* 15:233-5, 1964
- Brodie JD, Brodie JD, Wasson G, Porter JW: Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. *J Biol Chem* 239:1346-50, May 64
- Brody IA, Brody IA, Engel WK: Denervation of muscle in myasthenia gravis. Report of a patient with myasthenia gravis for 47 years and histochemical signs of denervation. *Arch Neurol (Chicago)* 11:350-4, Oct 64
- Brody JA, Brody JA, Bridenbaugh E: Prophylactic gamma globulin and live measles vaccine in an island of measles. *Lancet* 2:811-3, 10 Oct 64
- Brody MJ, Boatman DL, Brody MJ: Analysis of vascular responses in the spleen. *Amer J Physiol* 207:155-61, Jul 64
- Brody MJ, Larson RE, Plaa GL, Brody MJ: Immunological sympathectomy and CCl<sub>4</sub> hepatotoxicity. *Proc Soc Exp Biol Med* 116:557-60, Jul 64
- Bromage PR, Bromage PR: Local anaesthetic procedures for the arm and hand. *Surg Clin N Amer* 44:919-23, Aug 64
- Bromley JF, Bromley JF: Chorion-carcinoma--radiotherapy. *Clin Radiol* 15:263-8, Jul 64
- Bronner F, Heaney RP, Bauer GC, Bronner F, Dymling JF, Lafferty FW, Nordin BE, Rich C: A normal reference standard for radiocalcium turnover and excretion in humans. *J Lab Clin Med* 64:21-8, Jul 64
- Bronson FH, Bronson FH, Eleftheriou BE, Garlick EI: Effects of intra- and inter-specific social stimulation on implantation in deer mice. *J Reprod Fertil* 8:22-7, Aug 64
- Brook CP, Brook CP: Psychiatric units in general hospitals. *Lancet* 2:684-6, 20 Sep 64
- Brooks FP, Davis RA, Brooks FP: Gastric secretory response to insulin hypoglycemia. *Surg Forum* 15:312-3, 1964
- Brooks JR, Brooks JR, Eraklis AJ: Factors affecting the mortality from peptic ulcer. The bleeding ulcer and ulcer in the aged. *New Eng J Med* 271:803-9, 15 Oct 64
- Brooks JW, Mannick JF, Brooks JW, Boshier LH Jr, Hume DM: Ruptured aneurysms of the abdominal aorta: a reappraisal. *New Eng J Med* 271:915-20, 29 Oct 64
- Brooks RV, Prunty FT, Brooks RV, Dupre J, Hutchinson JS, London DR, Mills IH, Rhodes P: Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. *Proc Roy Soc Med* 57:529-32, Jun 64
- Broomhead IW, Broomhead IW: Cystic hygroma of the neck. *Brit J Plast Surg* 17:225-44, Jul 64
- Brosbe EA, Brosbe EA, Kietzman JN, Kurnick NB: Complement-fixation titers in experimental coccidioidomycosis in rabbits. *J Bact* 88:233-41, Jul 64
- Brouillet-Gabriel MT, Dumon G, Brouillet-Gabriel MT, Heuillet G: Essais thérapeutiques d'un nouvel antitussif injectable: le Kat 256. *Presse Med* 72:2389-90, 3 Oct 64 (Fr)
- Brown AC, Brown AC, Yankowitz D: Tooth pulp tissue pressure and hydraulic permeability. *Circ Res* 15:42-50, Jul 64
- Brown CH, Brown CH, Crile G Jr: Pancreatic adenoma with intractable diarrhea, hypokalemia, and hypercalcemia. *JAMA* 190:30-4, 5 Oct 64
- Brown CP, Brown CP, Wilson FH: Diaper region irritations. Pertinent facts and methods of prevention. *Clin Pediat (Phila)* 3:409-13, Jul 64
- Brown DV, Brown DV: Traumatic fracture of plastic contact lenses. *Arch Ophthalmol (Chicago)* 72:319-22, Sep 64
- Brown E, Belmont L, Brown E, Owens G: Clinical observations on respiratory and vasomotor disturbance as related to cervical cordotomies. *J Neurosurg* 20:225-32, Mar 63
- Brown FE, Brown FE, Wright HK: Internal fluid shifts secondary to intraperitoneal nitrogen mustard. *Surg Forum* 15:386-7, 1964
- Brown H, Brown H, Patel J, Barsamian EM, Collins SC, McDermott WV Jr: Cold preservation of liver for homotransplantation. *Surg Forum* 15:215-7, 1964
- Brown HA, Brown HA, Pont ME: Disease of lumbar discs. Ten years of surgical treatment. *J Neurosurg* 20:410-7, May 63
- Brown HW, Brown HW, Neto MX, Goodsett E: Multiple primary tumors of the intestine with massive resection and survival. *J Int Coll Surg* 42:360-6, Oct 64
- Brown HW, Brown HW, White RJ, Albin MS, Verdura J: Profound selective cerebral hypothermia in dogs by naso-oral perfusion and head immersion. *Surg Forum* 15:413-5, 1964
- Brown IK, Brown IK, Jones AT: Retinopathy and diabetic control. *Brit J Ophthalmol* 48:148-50, Mar 64
- Brown IS, Brown IS, Ross WM, Walder DN: The combined thiotopa and testosterone treatment of cancer of the breast. *Brit J Cancer* 18:238-46, Jun 64
- Brown JJ, Brown JJ, Davies DL, Lever AF, Robertson JI: Variations in plasma renin during the menstrual cycle. *Brit Med J* 5417:1114-5, 31 Oct 64
- Brown JJ, Brown JJ, Matthew GK, Robertson JI: The effect of angiotensin on the function of the separate kidneys in patients with unilateral renal artery stenosis. *Clin Sci* 26:381-95, Jun 64
- Brown JJ, Brown JJ, Davies DL, Lever AF, Lloyd AM, Robertson JI, Tree M: A renin-like enzyme in normal human urine. *Lancet* 2:709-11, 3 Oct 64
- Brown JP, Macleod P, Brown JP: Phospholipids of *Streptococcus lactis*. *J Bact* 87:1631, Jun 64
- Brown JS, Brown JS, Kosterlitz N: Selection and treatment of psychiatric outpatients: determined by the their personal and social characteristics. *Arch Gen Psychiat (Chicago)* 11:425-38, Oct 64
- Brown KR, Brown KR, Keating V: Pulse monitor in ocular surgery. *Brit J Ophthalmol* 47:184-5, Mar 63
- Brown LJ, Brown LJ, Gurdy PD, Seiner JC, Brown LJ, Willis M: Brain abscess due to *Haemophilus aphrophilus*. *New Eng J Med* 271:1059-61, 12 Nov 64
- Brown NJ, Brown NJ: The pathology of testicular tumours.



# ABRIDGED INDEX MEDICUS

- Miscellaneous tumours of mainly epithelial type. *Brit J Urol* 36:Suppl:70-7, Jun 64
- Brown RR**  
**Bryan GT, Brown RR, Price JM:** Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. *Cancer Res* 24:596-602, May 64
- Brown RR**  
**Bryan GT, Brown RR, Morris CR, Price JM:** In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. *Cancer Res* 24:586-95, May 64
- Brown RR**  
**Bryan GT, Brown RR, Price JM:** Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. *Cancer Res* 24:582-5, May 64
- Brown TG Jr**  
**Lands AM, Brown TG Jr:** A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines. *Proc Soc Exp Biol Med* 116:331-3, Jun 64
- Browne HG**  
**Browne HG, Schuler AR:** Biological disposition of some antimonyl antibilharzial drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. *Amer J Trop Med* 13:558-71, Jul 64
- Browne SG**  
**Browne SG:** Fixed eruption in deeply pigmented subjects: clinical observations on 350 patients. *Brit Med J* 5416:1041-4, 24 Oct 64
- Brownell GL**  
**Ojemann RG, Miller C, Brownell GL:** Extracranial measurement of regional cerebral blood flow by intracarotid injection of RISA. *Surg Forum* 15:407-8, 1964
- Brownlee WE**  
**Lim TP, Brownlee WE:** Diffusion impairment in obstructive pulmonary emphysema. *Amer Rev Resp Dis* 90:213-22, Aug 64
- Brownson RH**  
**Diller DA, Brownson RH, Suter DB:** X-irradiation induced acute brain damage as a function of age. *J Neuropath Exp Neurol* 23:446-56, Jul 64
- Browse NL**  
**Bailey RA, Browse NL, Keating VJ:** Automatic external cardiac massage: a portable pneumatic external cardiac compression machine. *Brit Heart J* 26:481-9, Jul 64
- Bruce JI**  
**Sadun EH, Bruce JI, Macomber PB:** Parasitologic, pathologic and serologic reactions to *Schistosoma mansoni* in monkeys exposed to irradiated cercariae. *Amer J Trop Med* 13:548-57, Jul 64
- Bruch H**  
**Palombo SR, Bruch H:** Falling apart: the verbalization of ego failure. *Psychiatry* 27:248-58, Aug 64
- Bruchou P**  
**Natali J, Lacombe M, Bruchou P, Vinardi G:** Les traumatismes artériels vus tardivement. Conduite à tenir en leur présence. *Presse Med* 72:2273-8, 23 Sep 64 (Fr)
- Bruderman I**  
**Bruderman I, Somers K, Hamilton WK, Tooley WH, Butler J:** Effect of surface tension on circulation in the excised lungs of dogs. *J Appl Physiol* 19:707-12, Jul 64
- Bruijning CF**  
**Bruijning CF:** The mechanism of the passage of the *Schistosoma mansoni* egg through the wall of the blood vessel. *Trop Geogr Med* 16:159-63, Jun 64
- Bruijning CF**  
**Bruijning CF:** An abnormal *Schistosoma masoni* egg. *Trop Geogr Med* 16:164-6, Jun 64
- Brumlik J**  
**Brumlik J, Wetzel N, Potter G, Petrovick M:** Quantitative criteria for the neurosurgical treatment of parkinsonism. *J Neurosurg* 20:21-33, Jan 63
- Brun C**  
**Wieth JO, Funder J, Brun C:** Dialyzable poisons: in vitro efficacy of a modified Skeggs-Leonards hemodialyzer with a comparison to clinical results. *J Lab Clin Med* 64:60-71, Jul 64
- Bruno B**  
**Siegel IM, Bruno B:** Determination of fixation in the dark-adapted eye by means of fundus photography. *Arch Ophthalmol (Chicago)* 72:670-1, Nov 64
- Brunström M**  
**Fielding J, Brunström M:** Estimation of ferrioxamine and desferrioxamine in urine. *J Clin Path* 17:395-8, Jul 64
- Brunton FJ**  
**Brunton FJ:** Choristoma of the gall-bladder. *Clin Radiol* 15:283-5, Jul 64
- Bryan GT**  
**Bryan GT, Brown RR, Morris CR, Price JM:** In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. *Cancer Res* 24:586-95, May 64
- Bryan GT**  
**Bryan GT, Brown RR, Price JM:** Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. *Cancer Res* 24:596-602, May 64
- Bryan GT**  
**Bryan GT, Brown RR, Price JM:** Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. *Cancer Res* 24:582-5, May 64
- Bryan MP**  
**Bryan WT, Bryan MP, Smith CA:** Human ciliated epithelial cells in nasal secretions. Morphologic and histochemical aspects. *Ann Otol* 73:474-87, Jun 64
- Bryan WR**  
**Bryan WR:** Current concepts of viral neoplasia. *Southern Med J* 57:1263-7, Nov 64
- Bryan WT**  
**Bryan WT, Bryan MP, Smith CA:** Human ciliated epithelial cells in nasal secretions. Morphologic and histochemical aspects. *Ann Otol* 73:474-87, Jun 64
- Bryant C**  
**Bryant C, Voller A, Smith MJ:** The incorporation of radioactivity from [<sup>14</sup>C]glucose into the soluble metabolic intermediates of malaria parasites. *Amer J Trop Med* 13:515-9, Jul 64
- Bucca MA**  
**Bucca MA, Palmer DF, Johnston JG, Winn JF:** Antibody response in certain domestic animals to influenza viruses. *Proc Soc Exp Biol Med* 116:493-5, Jun 64
- Bucher R**  
**Schatzman L, Bucher R:** Negotiating a division of labor among professionals in the state mental hospital. *Psychiatry* 27:266-77, Aug 64
- Buchner A**  
**Ramon Y, Mozes M, Buchner A:** A fatal case of ameloblastoma (adamantinoma). *Brit J Plast Surg* 17:320-4, Jul 64
- Buchner C**  
**Buchner C, Bilger R, Overbeck W, Miklaw H, Reindell H:** Geburt bei einer Patientin mit künstlichem Schrittmacher des Herzens. *Deutsch Med Wschr* 89:1932-3, 9 Oct 64 (Ger)
- Buchwald H**  
**Buchwald H, Varco RL:** Ileal bypass in lowering high cholesterol levels. *Surg Forum* 15:289-91, 1964
- Buchwald JS**  
**Buchwald JS, Standish M, Eldred E, Halas ES:** Contribution of muscle spindle circuits to learning as suggested by training under flaxedil. *Electroenceph Clin Neurophysiol* 16:582-94, Jun 64
- Buck AA**  
**Buck AA, Sadun EH, Anderson RI, Shaffa E:** Comparative studies of some immunologic screening tests for schistosomiasis in Ethiopia. *Amer J Hyg* 80:75-84, Jul 64
- Buck AA**  
**Buck AA, Spruyt DJ:** Seroreactivity in the venereal disease research laboratory slide test and the fluorescent treponemal antibody test. A study of patterns in selected disease and control groups in Ethiopia. *Amer J Hyg* 80:91-102, Jul 64
- Buck AA**  
**Buck AA, Mayer H:** Comparative studies of the rapid plasma reagin card test for syphilis and the VDRL slide test in Ethiopia. *Amer J Hyg* 80:85-90, Jul 64
- Buck BA**  
**Kezdi P, Head LR, Buck BA:** Mitral ball-valve prosthesis. Dynamic and clinical evaluation. *Circulation* 30:55-66, Jul 64
- Buckley MJ**  
**Buckley MJ, McLaughlin JS, Fort L 3d, Saigusa M, Morrow DH:** Effects of anesthetic agents on pulmonary vascular resistance during hypoxia. *Surg Forum* 15:183-4, 1964
- Buckley MJ**  
**McLaughlin JS, Buckley MJ, Berry WB, Morrow AG:** Pulmonary vascular responses to hypoxia and their modification by pharmacologic sympathectomy. *Surg Forum* 15:185-6, 1964
- Buckley SM**  
**Buckley SM:** Applicability of the HeLa (Gey) strain of human malignant epithelial cells to the propagation of arboviruses. *Proc Soc Exp Biol Med* 116:354-8, Jun 64
- Bucy PC**  
**Bucy PC:** The National Institutes of Health and the neurological surgeon. *J Neurosurg* 20:118-21, Feb 63
- Bucy PC**  
**(Foerster O), Bucy PC:** Tribute to Otfried Foerster. *J Neurosurg* 20:84-5, Jan 63
- Budd MA**  
**Budd MA, Parker CW, Norden CW:** Evaluation of intradermal skin tests in penicillin hypersensitivity. *JAMA* 190:203-5, 19 Sep 64
- Budrys RS**  
**Brandt WW, Budrys RS:** Sorption of hydrogen chloride and trifluoroacetic acid on poly-L-valine and poly-L-leucine. *J Biol Chem* 239:1442-6, May 64
- Buell DN**  
**Allansmith M, Goihman-Yahr M, Buell DN:** Demonstration of gamma-2 globulin in human skin. *J Allergy* 35:313-21, Jul-Aug 64
- Buell DN**  
**Allansmith M, Buell DN:** The relationship of gamma-1A globulin and reagin in cord sera. *J Allergy* 35:339-45, Jul-Aug 64
- Buergler MT**  
**White RJ, Buergler MT, Verdura J:** Cerebral angiography in the monkey by retrograde brachial injection. *J Neurosurg* 20:406-9, May 63
- Buffett RF**  
**Buffett RF, Grace JT Jr, Mirand EA:** Properties of a lymphocytic leukemia agent isolated from Ha/ICR Swiss mice. *Proc Soc Exp Biol Med* 116:293-7, Jun 64
- Bulbrook RD**  
**Bulbrook RD, Deshpande N, Ellis FG, Hayward JL, Parker J, Thomas BS, Wang DY:** Androgens in human breast cancer. *Proc Roy Soc Med* 57:523-5, Jun 64
- Bull J**  
**Bull J:** The use and abuse of cerebral angiography in the diagnosis of strokes. *Proc Roy Soc Med* 57:659-61, Aug 64
- Bunag RD**  
**Bunag RD, Douglas C, Imai S, Berne RM:** Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. *Circ Res* 15:83-8, Jul 64
- Bunch LD**  
**Hamilton JB, Bunch LD, Mestler GE, Imagawa R:** Effect of castration in man upon blood sedimentation rate, hematocrit and hemoglobin. *J Clin Endocr* 24:506-11, Jun 64
- Bunker CE**  
**Bunker CE, Nelson TS:** Use of the electroenterogram to determine p-glycoprotein activity of the small intestine. *Surg Forum* 15:293, 1964
- Bunnell S**  
**(Bunnell S), Entin MA:** Sterling Bunnell-Surgical giant at work. *Surg Clin N Amer* 44:889-95, Aug 64
- Burack WR**  
**Burack WR, Draskóczy PR:** The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system. *J Pharmacol Exp Ther* 144:66-75, Apr 64
- Burchenal JH**  
**Oettgen HF, Purple JR, Coley VC, Krakoff IH, Burchenal JH:** Potentiation of the anti-leukemic effects of 2-aminothiadiazoole by isonicotinamide and derivatives. *Cancer Res* 24:689-92, May 64
- Burdette WJ**  
**Burdette WJ:** The significance of invertebrate hormones in relation to differentiation. *Cancer Res* 24:521-36, May 64
- Burger C**  
**Hoffman A, Burger C, Persky L:** Influence of mannitol infusion upon extracorporeal renal storage. *Surg Forum* 15:500-1, 1964
- Burger JG**  
**Burger JG:** Hospital noise and the patient. *S Afr Med J* 38:704-7, 29 Aug 64
- Burgi H**  
**Burgi H:** Mucoproteins and sputum viscosity. *Lancet* 2:644, 19 Sep 64
- Burgin LB**  
**Cavanaugh JJ, Burgin LB:** Management of childhood asthma. The importance of vigorous therapy. *Clin Pediat (Phila)* 3:405-8, Jul 64
- Burke EC**  
**Burke EC, Winkelmann RK, Strickland MK:** Disseminated hemangiomatosis. The newborn with central nervous system involvement. *Amer J Dis Child* 108:418-24, Oct 64
- Burnet FM**  
**Abbot A, Burnet FM:** Electron microscopy of the thymus lesions in NZB mice. *J Path Bact* 88:243-5, Jul 64
- Burnet FM**  
**Burnet FM, Holmes MC:** Thymic changes in the mouse strain NZB in relation to the auto-immune state. *J Path Bact* 88:229-41, Jul 64
- Burnett JW**  
**Pathak MA, Burnett JW:** The porphyrin content of skin. *J Invest Derm* 43:119-20, Aug 64
- Burns RO**  
**Madsen PO, Burns RO:** Pyelo-ileo-cystostomy in pitressin-resistant diabetes insipidus. *J Urol* 92:68-71, Jul 64
- Burr HB**  
**Burr HB:** Profitable employment of the handicapped. *Industr Med Surg* 33:575-9, Aug 64
- Burrill LM**  
**Burrill LM, Schuck C:** Phenylalanine requirements with different levels of tyrosine. *J Nutr* 83:202-8, Jul 64
- Burrows BB**  
**Reardon JJ, Lustrin I, Ogoniak J, Burrows BB, Sawyer PN:** In vitro studies of direct current coagulation. *Surg Forum* 15:235-7, 1964
- Burrows D**  
**Burrows D:** Fluorescent test for skin malignancy. *Arch Derm (Chicago)* 90:411, Oct 64
- Burrows L**  
**Burrows L, Gelernt IM, Ein S, Dreiling DA, Kark AE:** Antigen-antibody reactions involved in transplantation phenomena. *Surg Forum* 15:135-7, 1964
- Burson LC**  
**Berliner SD, Burson LC, Lear PE:** Use and abuse of intraperitoneal drains in colon surgery. *Arch Surg (Chicago)* 89:686-9, Oct 64
- Burstone MS**  
**Kaluza JS, Burstone MS:** Staining patterns of phosphatases of the central nervous system with azo-dye methods. *J Neuropath Exp Neurol* 23:477-85, Jul 64
- Burton GW**  
**Burton GW, Holderness MC, John HT:** Circulatory and acid-base changes during operations for abdominal aortic aneurysm. *Lancet* 2:782-5, 10 Oct 64
- Busch H**  
**Smetana K, Busch H:** Studies on the ultrastructure of the nucleoli of the Walker tumor and rat liver. *Cancer Res* 24:537-57, May 64
- Busch H**  
**Muramatsu M, Busch H:** Studies on nucleolar RNA of the Walker 256 carcinosarcoma and the liver of the rat. *Cancer Res* 24:1028-34, Jul 64
- Buse MG**  
**Worthington WC Jr, Jones DJ, Buse MG:** Autoradiographic study of insulin distribution in the rat with special reference to elastic tissue. *Endocrinology* 74:914-24, Jun 64
- Bush IM**  
**Bush IM, Bauer S, Rosenfeld LJ:** Aneurysm of the spermatic artery. *J Urol* 92:47-50, Jul 64
- Buswell M**  
**Meyer J, Buswell M:** Total medical treatment: report of a five-year study. *Amer J Psychiat* 121:129-35, Aug 64
- Butler AA**  
**Butler AA:** Skeletal reconstruction of the hand. *Surg Clin N Amer* 44:995-1008, Aug 64
- Butler B Jr**  
**Butler B Jr:** Ring-finger pollicization, with transplantation of nail bed and matrix on a volar flap. *J Bone Joint Surg [Amer]* 46:1069-76, Jul 64
- Butler EK**  
**Butler EK, Ashmore PG:** Experimental production of respiratory insufficiency. *Surg Forum* 15:188-90, 1964
- Butler HG**  
**Cullen JF, Butler HG:** Kongoism (Down's syndrome) and keratoconus. *Brit J Ophthalmol* 47:321-30, Jun 63
- Butler J**  
**Bruderman I, Somers K, Hamilton WK, Tooley WH, Butler J:** Effect of surface tension on circulation in



# ABRIDGED INDEX MEDICUS

- the excised lungs of dogs  
J Appl Physiol 19:707-12, Jul 64
- Butler JJ**  
McBride CM, Healey JE Jr, Butler JJ, White EC: Use of collagen cloth for repair of tissue defects. Surg Forum 15:70-1, 1964
- Butler NR**  
Benson PF, Butler NR, Goffe AP, Knight GJ, Laurence GD, Miller CL, Pollock TM: Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. Brit Med J 5413:851-3, 3 Oct 64
- Butler VP Jr**  
Butler VP Jr, Vaughan JH: Hemagglutination by rheumatoid factor of cells coated with animal gamma globulins. Proc Soc Exp Biol Med 116:585-93, Jul 64
- Butler WH**  
Butler WH: Acute liver injury in ducks as a result of aflatoxin poisoning. J Path Bact 88:189-96, Jul 64
- Butler-Manuel R**  
Fox H, Butler-Manuel R: A teratoma of the placenta. J Path Bact 88:137-40, Jul 64
- Butt HR**  
Schoenfield LJ, Fouk WT, Butt HR: Studies of sulfobromophthalein sodium (BSP) metabolism in man. I. In normal subjects and patients with hepatic disease. J Clin Invest 43:1409-18, Jul 64
- Butt WR**  
Crooke AC, Butt WR, Palmer RF, Morris R, Morgan DB: The effect of human gonadotrophins on a patient with Simmonds's disease. Acta Endocr (Copenhagen) 46:292-9, Jun 64
- Butt WR**  
Crooke AC, Butt WR, Palmer RF, Bertrand PV, Carrington SP, Edwards RL, Anson CJ: Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. J Obstet Gynaec Brit Comm 71:571-85, Aug 64
- Butterfield WJ**  
Butterfield WJ, Whiclow MJ: Are thyroid hormones diabetogenic? A study of peripheral glucose metabolism during glucose infusions in normal subjects and hyperthyroid patients before and after treatment. Metabolism 13:620-8, Jul 64
- Buxbaum C**  
Gleason DM, Buxbaum C, Lattimer JK: Pressure telemeter: a method of measuring intravesical pressure without tubes, wires, or catheters. Surg Forum 15:502-3, 1964
- Bybee JD**  
Bybee JD, Rogers DE: The phagocytic activity of polymorphonuclear leukocytes obtained from patients with diabetes mellitus. J Lab Clin Med 64:1-13, Jul 64
- Byrne JJ**  
Cabill JM, Byrne JJ: Ventilatory mechanics in hypovolemic shock. J Appl Physiol 19:679-82, Jul 64
- Byrne WD**  
May IA, Byrne WD, Yee J, Hardy KL, Samson PC: Left colon total bypass for benign and malignant disease of the esophagus. Amer J Surg 108:204-14, Aug 64
- ## C
- Cabasso VJ**  
Cabasso VJ, Nozell H, Rueggsegger JM, Cox HR: Poliovirus antibody two years after oral trivalent vaccine (Sabin strains). JAMA 190:248-50, 19 Sep 64
- Cabieses F**  
Scoville WB, Manlapaz JS, Otis RD, Cabieses F: Intraspinal enterogenous cyst. J Neurosurg 20:704-6, Aug 63
- Cade S**  
Cade S: Cancer in pregnancy. J Obstet Gynaec Brit Comm 71:341-8, Jun 64
- Cafure N**  
Amadio GE, Pérez JA, Cafure N, Farías CE, Caminos R: Comparative study between bacteriologic findings in patients with pulmonary tuberculosis and bacteriology of surgically resected lung tissue. Dis Chest 46:37-41, Jul 64
- Cahal DA**  
Cahal DA: Jaundice and 'Cardivix'. Lancet 2:754, 3 Oct 64
- Cahen RL**  
Cahen RL: On the mechanism of emesis induced by 5-hydroxytryptamine. Proc Soc Exp Biol Med 116:402-4, Jun 64
- Cahill GF Jr**  
Goldman JK, Cahill GF Jr: Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. Metabolism 13:572-8, Jun 64
- Cahill JM**  
Cahill JM, Byrne JJ: Ventilatory mechanics in hypovolemic shock. J Appl Physiol 19:679-82, Jul 64
- Cahoon M**  
Mahler I, Cahoon M, Marmur J: Bacillus subtilis deoxyribonucleic acid transfer in PBS2 transduction. J Bact 87:1423-8, Jun 64
- Cain AC**  
Cain AC: On the meaning of "playing crazy" in borderline children. Psychiatry 27:278-89, Aug 64
- Cain SM**  
Cain SM, Dunn JE 2d: Transient arterial lactic acid changes in unanesthetized dogs at 21,000 feet. Amer J Physiol 206:1437-40, Jun 64
- Cairns JE**  
Cairns JE: Varicella of the cornea treated with 5-iodo-2'-deoxyuridine. Brit J Ophthal 48:288-9, May 64
- Caldwell KP**  
Caldwell KP, Flack FC: Anal incontinence. Lancet 2:761-2, 3 Oct 64
- Calhoun HD**  
Guvener A, Bagchi BK, Kooi KA, Calhoun HD: Mental and seizure manifestations in relation to brain tumors. A statistical study. Epilepsia (Amst) 5:166-76, Jun 64
- Calteja HB**  
Calteja HB, Kissane RW: The QRS vectorcardiogram in congenital heart disease during the first year of life. A new diagnostic vectorcardiographic technique. Dis Chest 46:198-204, Aug 64
- Calloway NO**  
Calloway NO: Uncertainties in geriatric data. I. Functional observations. J Amer Geriatr Soc 12:731-6, Aug 64
- Calnan J**  
Calnan J: Research. Brit J Plast Surg 17:222-4, Jul 64
- Calverley DS**  
Barber TX, Karacan I, Calverley DS: "Hypnotizability" and suggestibility in chronic schizophrenics. Arch Gen Psychiat (Chicago) 11:439-51, Oct 64
- Calvert CC**  
Calvert CC, Desai ID, Scott ML: Effect of linoleic acid on nutritional muscular dystrophy in the chick. J Nutr 83:307-13, Aug 64
- Cama HR**  
Samy TS, Cama HR: Role of dietary fats in inducing hypercholesterolemia in rats. J Atheroscler Res 4:356-66, Jul-Aug 64
- Camberos HR**  
Marcilese NA, Valsecchi RM, Figueiras HD, Camberos HR, Varela JE: Normal blood volumes in the horse. Amer J Physiol 207:223-7, Jul 64
- Cambron KG**  
Robinson GC, Cambron KG: Hearing loss in infants of tuberculous mothers treated with streptomycin during pregnancy. New Eng J Med 271:949-51, 29 Oct 64
- Cameron E**  
Cameron E, Campbell A: The value of seromucoid estimation in the management of prostatic disease. Brit J Urol 36:257-60, Jun 64
- Cameron E**  
Merrill JP, Schupak E, Cameron E, Hampers CL: Hemodialysis in the home. JAMA 190:468-70, 2 Nov 64
- Cameron EA**  
Cameron EA, French EB: Prolonged arteriospasm after ergotamine. Brit Med J 5413:875-6, 3 Oct 64
- Cameron GR**  
(Smith FB), Cameron GR: Fredric Battinson Smith, 16 February 1888-10 July 1963. J Path Bact 88:365-8, Jul 64
- Cameron HC**  
Cameron HC, Lennard-Jones JE, Robinson MP: Amputations in the diabetic outcome and survival. Lancet 2:605-7, 19 Sep 64
- Cameron KM**  
Collins DH, Cameron KM: Interstitial-cell tumour. Brit J Urol 36:Suppl:62-9, Jun 64
- Cameron KM**  
Pugh RC, Cameron KM: Relative malignancy of testicular tumours. Brit J Urol 36:Suppl:107-11, Jun 64
- Camien MN**  
Fowler AV, Camien MN, Dunn MS: Bound intracellular glycolic and D-lactic acids in Mycobacterium ranae. J Bact 87:1528-9, Jun 64
- Caminos R**  
Amadio GE, Pérez JA, Cafure N, Farías CE, Caminos R: Comparative study between bacteriologic findings in patients with pulmonary tuberculosis and bacteriology of surgically resected lung tissue. Dis Chest 46:37-41, Jul 64
- Camoungis G**  
Farrell MJ, Camoungis G: Mechanical events of in vivo rabbit and cat spleen. Amer J Physiol 206:1275-8, Jun 64
- Campan L**  
Campan L: La santé de Lautrec. Presse Med 72:2181-3, 12 Sep 64 (Fr)
- Campanacci L**  
Liguori G, Guiso G, Campanacci L: The effects of metopirone on glucose metabolism. Metabolism 13:499-508, Jun 64
- Campbell A**  
Cameron E, Campbell A: The value of seromucoid estimation in the management of prostatic disease. Brit J Urol 36:257-60, Jun 64
- Campbell DJ**  
Campbell DJ, Sherbaniuk R, Rigby J: False positive reaction due to methocarbamol in the screening test for vanilmandelic acid (VMA). Clin Chem 10:447-50, May 64
- Campbell GD**  
Campbell GD, Webb WR: Eosinophilic pleural effusion: a review with the presentation of seven new cases. Amer Rev Resp Dis 90:194-201, Aug 64
- Campbell GD**  
Campbell GD, Webb WR: Eosinophilic pleural effusion: a review with the presentation of seven new cases. Amer Rev Resp Dis 90:194-201, Aug 64
- Campbell GG**  
Campbell GG: Proceedings of the Congress of the Nutrition Society of Southern Africa. Opening address. S Afr Med J 38:621-3, 22 Aug 64
- Campbell GS**  
Anderson LG, Selby DM, Wuerflein RD, Campbell GS: Protective influence of external counter-pressure after acute hemorrhage in dogs. Surg Forum 15:4-6, 1964
- Campbell GS**  
Selby DM, Haddy FJ, Campbell GS: Vasodilator material in ischemic tissues. Surg Forum 15:232-3, 1964
- Campbell JA**  
Duncan GW, Lyster SC, Campbell JA: Effect of 7-alpha-methylglutathione on biological activities on norethindrone. Proc Soc Exp Biol Med 116:800-2, Jul 64
- Campbell JS**  
Heggveit HA, Campbell JS, Hooper GD: Innominate arterial aneurysms occurring after blunt trauma. Amer J Clin Path 42:69-74, Jul 64
- Campbell M**  
Campbell M: The mortality rate from heart disease. Amer Heart J 68:1-2, Jul 64
- Campbell TJ**  
Starr A, Campbell TJ, Wood J, McCord C, Herr R, Menashe V: Transposition of the great vessels: recent experience with the Blalock-Hanlon procedure. Amer J Surg 108:198-203, Aug 64
- Campos GB**  
Forster FM, Campos GB: Conditioning factors in epileptogenic-induced seizures. Epilepsia (Amst) 5:156-65, Jun 64
- Canary JJ**  
Prezio JA, Carreon G, Clerkin E, Meloni CR, Kyle LH, Canary JJ: Influence of body composition on adrenal function in obesity. J Clin Endocr 24:481-5, Jun 64
- Canchola J**  
Taylor-Robinson D, Canchola J, Fox H, Chanock RM: A newly identified oral mycoplasma (M. orale) and its relationship to other human mycoplasmas. Amer J Hyg 80:135-48, Jul 64
- Cancio M**  
Oliver-González J, Rivera De Sala A, Cancio M: Flocculation of unsensitized bentonite particles by cancer serum. Proc Soc Exp Biol Med 116:409-11, Jun 64
- Canelas HM**  
Tenuto RA, Canelas HM, Cruz OR, França LC: Trigeminal neuralgia caused by cysticercosis of the cavum meckelli: report of two cases. J Neurosurg 20:169-71, Feb 63
- Canent RV Jr**  
Canent RV Jr, Spach MS, Young WG Jr: Cardiopulmonary dynamics in patients with anastomosis of the superior vena cava to the right pulmonary artery. Circulation 30:47-54, Jul 64
- Cannefax GR**  
Hanson AW, Cannefax GR: Isolation of Borrelia reifringens in pure culture from patients with condylomata acuminata. J Bact 88:111-3, Jul 64
- Cant JS**  
Cant JS: Dacryocystitis in acute leukaemia. Brit J Ophthal 47:57-9, Jan 63
- Cantrell HF**  
Cantrell HF, Widra A: Experimental candidiasis in cortisone-treated mice. J Bact 87:1532, Jun 64
- Cantrell JR**  
Cantrell JR, Guild HG: Congenital stenosis of the trachea. Amer J Surg 108:297-305, Aug 64
- Capella JA**  
Kaufman HE, Capella JA, Maloney ED, Robbins JE, Cooper GM, Uotila MH: Corneal toxicity of cytosine arabinoside. Arch Ophthal (Chicago) 72:535-40, Oct 64
- Capers TH**  
Capers TH: The relative amounts of DNA and concentrations of RNA in heart muscle of normal and hypertrophied hearts. Amer Heart J 68:102-6, Jul 64
- Caplan BB**  
Caplan BB, Halasz NA, Bloomer WE: Resection and ligation of the supranal inferior vena cava. J Urol 92:25-9, Jul 64
- Caplow M**  
Caplow M, Jencks WP: The chymotrypsin-catalyzed hydrolysis and synthesis of N-acetyl-L-tyrosine hydroxamic acid. J Biol Chem 239:1640-52, May 64
- Cardenas J**  
Podolsky S, Wase A, Cardenas J: Treatment of experimental ascites tumors with crystalline ribonuclease. Curr Ther Res 6:387-93, May 64
- Cardinali G**  
Cardinali G, Cardinali G, DeCaro BM, Handler AH, About-Enen M: Effect of high doses of cortisone on bone marrow cell proliferation in the Syrian hamster. Cancer Res 24:969-72, Jul 64
- Carere A**  
Carere A, Spada-Sermoniti I: Nutritional mutations and transduction by ultraviolet-inactivated phage in Staphylococcus aureus. J Bact 88:226-32, Jul 64
- Carew LB Jr**  
Carew LB Jr, Hopkins DT, Nesheim MC: Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. J Nutr 85:300-6, Aug 64
- Carew LB Jr**  
Carew LB Jr, Hill FW: Effect of corn oil on metabolic efficiency of energy utilization by chicks. J Nutr 85:293-9, Aug 64
- Carey JB Jr**  
Carey JB Jr: Conversion of cholesterol to trihydroxypropanoic acid and cholic acid in man. J Clin Invest 43:1443-8, Jul 64
- Carey JS**  
Carey JS, Suzuki F, Mladick RA, Baker RJ, Shoemaker WC: Hemodynamic effects of low viscosity dextran in surgical shock. Surg Forum 15:22-4, 1964
- Carlisle BB**  
Foster JH, Jolly PC, Carlisle BB, Younger RK: Ammonia metabolism with variations in portal venous diversion. Surg Forum 15:105-8, 1964
- Carlisle HN**  
Saslaw S, Carlisle HN: Antibody response in splenectomized monkeys. Proc Soc Exp Biol Med 116:738-42, Jul 64
- Carlson KE**  
Carlson KE, Alston W, Feldman DJ: Electromyographic study of aging in skeletal muscle. Amer J Phys Med 43:141-5, Aug 64
- Carlson LA**  
Havel RJ, Carlson LA, Ekelund LG, Holmgren A: Turnover rate and oxidation of different free fatty acids in man during exercise. J Appl Physiol 19:613-8, Jul 64
- Carmony SE**  
Lewis JP, Gallagher NI, Carmony SE, Lange RD: Erythropoietic activity in human urine concentrate. Proc Soc Exp Biol Med 116:742-5, Jul 64
- Carneiro L**  
Dorrigton KJ, Munro DS, Carneiro L: Reduction of gamma globulin with long-acting thyroid-stimulating activity. Lancet 2:889-91, 24 Oct 64



# ABRIDGED INDEX MEDICUS

- Caro D**  
Caro D, Craft IL, Howells JB, Shaw PC: Diagnosis and treatment of injury of lateral ligament of the ankle joint. *Lancet* 2:720-3, 3 Oct 64
- Carpén E**  
Kontinen A, Pyörälä T, Carpen E: Serum lipid pattern in normal pregnancy and pre-eclampsia. *J Obstet Gynaec Brit Comm* 71:453-8, Jun 64
- Carpendale MT**  
Carpendale MT: Reduction of surgical wound infection by tape closure. *Surg Forum* 15:58-60, 1964
- Carpenter CM**  
Weimer HE, Miller JN, Meyers RL, Baxter D, Roberts DM, Godfrey JF, Carpenter CM: The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. *Cancer Res* 24:847-54, Jun 64
- Carpenter KJ**  
Lea CH, Parr LJ, L'Estrange JL, Carpenter KJ: Nutritional effects of autoxidized fats in animal diets. Beef fat in the diet of rats. *Brit J Nutr* 18:369-84, 1964
- Carpenter RG**  
Carpenter RG, Taylor KW: Statistical methods for examining retinopathy in relation to the control of diabetes and other factors. *Brit J Ophthalmol* 47:590-5, Oct 63
- Carr DH**  
Sergovich FR, Valentine GH, Carr DH, Soltan HC: Mongolism (Down's syndrome) with atypical clinical and cytogenetic features. *J Pediatr* 65:197-207, Aug 64
- Carrion G**  
Prestio JA, Carrion G, Clerkin E, Meloni CR, Kyle LH, Canary JJ: Influence of body composition on adrenal function in obesity. *J Clin Endocr* 24:481-5, Jun 64
- Carrier O Jr**  
Carrier O Jr, Cowser M, Hancock J, Guyton AC: Effect of hydrogen ion changes on vascular resistance in isolated artery segments. *Amer J Physiol* 207:168-72, Jul 64
- Carrington CB**  
Smith PW, Mark JB, Carrington CB: Use of the cervical approach in the treatment of carcinosarcoma of the upper esophagus. Report of a case. *Dis Chest* 46:91-4, Jul 64
- Carrington SP**  
Crooke AC, Butt WR, Palmer RF, Bertrand PV, Carrington SP, Edwards RL, Anson CJ: Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64
- Carroll KJ**  
Carroll KJ: Unusual explosion during electrosurgery. *Brit Med J* 5418:1178, 7 Nov 64
- Carruthers C**  
Carruthers C, Heining A: The fatty acid composition of the sterol-wax ester and mono- and diglyceride fractions of mouse epidermis undergoing normal and abnormal growth changes. *Cancer Res* 24:1008-11, Jul 64
- Carruthers RR**  
Jenkins DW, Carruthers RR, Litofsky A, Collins WF: Electrophysiological study of regenerating peripheral nerve. Relationship of size of fibers and rate of growth. *J Neurosurg* 20:344-7, Apr 63
- Carson J**  
Melrose DG, Bentall HH, McMillan IK, Flieg JB, Alvarez Diaz FR, Nahas RA, Fautley R, Carson J: The evolution of a mitral-valve prosthesis. *Lancet* 2:623-4, 19 Sep 64
- Carson NA**  
Gibson JB, Carson NA, Neill DW: Pathological findings in homocystinuria. *J Clin Pathol* 17:427-37, Jun 64
- Carstensen H**  
Agarwal KN, Carstensen H: Uptake of corticosteroids, related steroids and their water soluble esters by human erythrocytes with studies on the extraction, separation and estimation of some of the esters. *Acta Endocr (Kobenhavn)* 47:Suppl 93:37-52, 1964
- Carter JE**  
Carter JE: Morphologic evidence of syncytial formation from the cytotrophoblastic cells. *Obstet Gynec* 23:647-56, May 64
- Carter JB**  
Carter JB: Biophysics and biochemistry education for research in pathology. *Lab Invest* 13:613-8, Jun 64
- Carter P**  
Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI: Clinical, morphological and biochemical studies on a malignant testicular tumor. *J Clin Endocr* 24:528-42, Jun 64
- Carter R**  
Carter R, Brewer LA 3d: Subphrenic abscess: a thoracoabdominal clinical complex: the changing picture with antibiotics. *Amer J Surg* 108:165-74, Aug 64
- Carter WA**  
Menzel CE, Carter WA, Horton ES: Geophagia with iron deficiency and hypokalemia. Cachexia africana. *Arch Intern Med (Chicago)* 114:470-4, Oct 64
- Carter F**  
Vic-Dupont, Margairas A, Cartier F, Assan R: Aspects cliniques et thérapeutiques actuels des méningococcies. (A propos de 20 cas observés en 1963) *Presse Med* 72:2313-6, 26 Sep 64 (Fr)
- Cartwright GE**  
Lee GR, Haut A, Cartwright GE, Wintrobe MM: Genetic control of hemoglobin A2 synthesis: an unusual hereditary pattern in a family with thalassemia trait. *J Lab Clin Med* 64:72-8, Jul 64
- Carver DH**  
Carver DH, Naficy K: Studies on viral inhibitors of biological origin. I. Inhibition of viral replication by protein-like constituents of bacteria. *Proc Soc Exp Biol Med* 116:548-52, Jun 64
- Carver MJ**  
Bragonier JR, Roesky N, Carver MJ: Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. *Proc Soc Exp Biol Med* 116:685-8, Jul 64
- Cary SG**  
Cary SG, Blair EB: New transport medium for shipment of clinical specimens. I. Fecal specimens. *J Bact* 88:96-8, Jul 64
- Casady RB**  
Sittmann DB, Rollins WC, Sittmann K, Casady RB: Seasonal variation in reproductive traits of New Zealand white rabbits. *J Reprod Fertil* 8:29-37, Aug 64
- Case RB**  
Case RB, Roven RB, Crampton RS: Relief of high left-atrial pressure in left-ventricular failure. *Lancet* 2:841-2, 17 Oct 64
- Case TC**  
Case TC: Peritoneal lavage for generalized peritonitis. *J Amer Geriatr Soc* 12:694-700, Jul 64
- Cashell GT**  
Cashell GT, Thomas KB: Cataract extraction under combined local and general analgesia using phenazocine. *Brit J Ophthalmol* 48:139-42, Mar 64
- Casida LE**  
Labhsetwar AP, Collins WE, Tyler WJ, Casida LE: Some pituitary-ovarian relationships in the periparturient cow. *J Reprod Fertil* 8:85-90, Aug 64
- Casida LE**  
Labhsetwar AP, Collins WE, Tyler WJ, Casida LE: Effect of progesterone and oxytocin on the pituitary-ovarian relationship in heifers. *J Reprod Fertil* 8:77-83, Aug 64
- Caspari EA**  
Field EJ, Caspari EA: Behaviour of blood-platelets in multiple sclerosis. Some observations with a possible bearing on pathogenesis. *Lancet* 2:876-9, 24 Oct 64
- Castaneda AR**  
Castaneda AR, Bernstein EF, Varco RL: Tolerance to chronic hemolysis. *Surg Forum* 15:84-6, 1964
- Castillo CA**  
Afonso S, Rowe G, Castillo CA, Crumpton CW: Hemodynamic responses to induced tachycardia in methylene blue-treated dogs. *Amer J Physiol* 206:1279-80, Jun 64
- Castillo CA**  
Rowe GG, Castillo CA, Afonso S, Meyer TC, Crumpton CW: Diagnostic cineangiocardiology. *Vasc Dis* 1:45-53, Jan 64
- Castor CW**  
Castor CW, Muirhead KD: Collagen formation in monolayer cultures of human fibroblasts. The effects of hydrocortisone. *Lab Invest* 13:560-74, Jun 64
- Castor MESSINGER HB**  
Malamud N, Itabashi HH, Castor MESSINGER HB: An etiologic and diagnostic study of cerebral palsy. A preliminary report. *J Pediatr* 65:270-93, Aug 64
- Castrén O**  
Grönroos JA, Castrén O, Kallio H: Prevalence of Listeria agglutinins in obstetric and gynaecologic patients. *Ann Chir Gynaec Fenn* 53:377-82, 1964
- Castro V**  
De la Cruz B, Pesigan TP, Banzon TC, Sevilla J, Donato C, Cruz A, Castro V: A report on the labeling of Schistosoma japonicum cercariae with radioiron. *Amer J Trop Med* 13:545-7, Jul 64
- Catelli AR**  
Parfentjev IA, Catelli AR: Tolerance of Staphylococcus aureus to sodium chloride. *J Bact* 88:1-3, Jul 64
- Catford GV**  
Catford GV: Distension retinal detachment. *Brit J Ophthalmol* 47:266-70, May 63
- Cathala J**  
(Mouquin M), Cathala J: Marcel Mouquin (1891-1964) *Presse Med* 72:2353-5, 26 Sep 64 (Fr)
- Cattán A**  
Mathé G, Schneider M, Cattán A, Schwarzenberg L, Amiel JL: Essai de traitement de la leucémie myéloïde chronique par le dibromomannitol. *Presse Med* 72:2135-6, 12 Sep 64 (Fr)
- Catz B**  
Rohde RA, Catz B: Maternal transmission of a new group-C(6/9) chromosomal syndrome. *Lancet* 2:838-40, 17 Oct 64
- Cavanagh D**  
Lecart C, Cavanagh D: A clinical evaluation of benzodiazepines in the management of toxemia of pregnancy. *Curr Ther Res* 6:357-62, May 64
- Cavanagh JB**  
Cavanagh JB, Passingham RJ, Vogt JA: Staining of sensory and motor nerves in muscles with sudan black B. *J Path Bact* 88:89-92, Jul 64
- Cavanaugh JA**  
Cavanaugh JA: Future health manpower needs in Latin America. *Public Health Rep* 79:911-6, Oct 64
- Cavanaugh JJ**  
Cavanaugh JJ, Burgin LB: Management of childhood asthma. The importance of vigorous therapy. *Clin Pediatr (Phila)* 3:405-8, Jul 64
- Caviecke DC**  
Cooper DW, Caviecke DC: Primary juvenile otalgia: report of a case with surgical cure. *J Neurosurg* 20:895-8, Oct 63
- Caycedo A**  
Edynak E, Caycedo A, Nance FC, Miller LD, Peskin GW: The role of serotonin in the digestive process. *Surg Forum* 15:301-3, 1964
- Cayler GG**  
Tassopoulos NM, Cayler GG, Finnerty M, Blaisdell WP, Williams GE: The effect of total body perfusion on digitalis tolerance. *Dis Chest* 46:130-7, Aug 64
- Cebulla J**  
Ambuel JP, Cebulla J, Watt N, Crowne DP: Urgency as a factor in clinic attendance. *Amer J Dis Child* 108:394-8, Oct 64
- Cerasi E**  
Cerasi E, Luft R: Insulin response to glucose loading in acromegaly. *Lancet* 2:769-71, 10 Oct 64
- Cerretelli P**  
Margaria R, Cerretelli P, Mangili F: Balance and kinetics of anaerobic energy release during strenuous exercise in man. *J Appl Physiol* 19:623-8, Jul 64
- Cesano L**  
Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L: Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. *Clin Sci* 26:493-8, Jun 64
- Cesano L**  
Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L: Effect of drug infusion on the systemic and splanchnic circulation. 1. Bradykinin infusion in normal subjects. *Clin Sci* 26:487-91, Jun 64
- Chacko P**  
Chacko P: Modified axillary crutch. *Brit Med J* 5416:1074, 24 Oct 64
- Chaddah MR**  
Nirankari MS, Greer CH, Chaddah MR: Malignant non-chromaffin paraganglioma in the orbit. *Brit J Ophthalmol* 47:357-63, Jun 63
- Chaddock WM**  
Chaddock WM, Crutchfield WG: Extracranial masses complicating the interpretation of echoencephalograms: a new technique for quantitative evaluation. *J Neurosurg* 21:699-703, Aug 64
- Chadwick AJ**  
Chadwick AJ: Unusual complication of a chalazion. *Brit J Ophthalmol* 47:364, Jun 63
- Chadwick DR**  
Chadwick DR, Abrahams SP: Biological effects of radiation. *Arch Environ Health (Chicago)* 9:643-8, Nov 64
- Chaffee B**  
Chaffee B, Donaghy RM: Meningioma of the fourth ventricle. *J Neurosurg* 20:520-2, Jun 63
- Chaikoff IL**  
Madsen J, Abraham S, Chaikoff IL: The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. *J Biol Chem* 239:1305-9, May 64
- Chaikoff IL**  
Abraham S, Borrebaek B, Chaikoff IL: Effect of dietary carbohydrate and glucokinase and mannokinase activities of various rat tissues. *J Nutr* 83:273-88, Jul 64
- Chalmers DG**  
Bottomley JE, Lloyd O, Chalmers DG: Postoperative prophylactic anticoagulants in gynaecology. A ten-year study. *Lancet* 2:835-6, 17 Oct 64
- Chalmers DG**  
Coulson AS, Chalmers DG: Effects of phytohaemagglutinin on leucocytes. *Lancet* 2:819-20, 10 Oct 64
- Chalmers JA**  
Chalmers JA, Ng JL: Ruptured uterus after buccal oxytocin. *Brit Med J* 5416:1070, 24 Oct 64
- Chalmers JA**  
Henderson RJ, Chalmers JA, Wood J: The care of the umbilical stump in relation to cross infection in maternity units. *J Obstet Gynaec Brit Comm* 71:443-8, Jun 64
- Chalmers TC**  
Strohmeyer GW, Miller SA, Scarlata RW, Moore EW, Greenberg MS, Chalmers TC: Effects of hypoxia on iron absorption and mobilization in the rat. *Amer J Physiol* 207:55-61, Jul 64
- Chalnot P**  
Faivre G, Chalnot P: Un nouveau stimulateur implantable: l' "pacemaker" synchrone de Nathan. *Presse Med* 72:2141-2, 12 Sep 64 (Fr)
- Chamberlain DA**  
Chamberlain DA, Howard J: Guanethidine and methyl dopa: a haemodynamic study. *Brit Heart J* 26:528-36, Jul 64
- Chambers DA**  
Greep JM, Chambers DA, Skinner DB, McCrae CR, Nardi GL: Pancreatitis in the isolated perfused pancreas. *Surg Forum* 15:88-9, 1964
- Chambers RJ**  
Somerville W, Chambers RJ: Systemic embolism in mitral stenosis: relation to the size of the left atrial appendix. *Brit Med J* 5418:1167-9, 7 Nov 64
- Chambers VC**  
Chambers VC, Weiser RS: An electron microscope study of sarcoma I in a homologous host. I. The cells of the growing tumor. *Cancer Res* 24:693-708, May 64
- Chan BK**  
Chan DP, Kan PS, Chan BK: Naegele pelvis. A study of 17 cases. *J Obstet Gynaec Brit Comm* 71:464-8, Jun 64
- Chan DP**  
Chan DP, Kan PS, Chan BK: Naegele pelvis. A study of 17 cases. *J Obstet Gynaec Brit Comm* 71:464-8, Jun 64
- Chan K**  
Jacobs MJ, Haddy RE, Jacobs JM, Chan K, Deibel RH: Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. *J Bact* 87:1406-11, Jun 64
- Chan KY**  
Loh RC, Chan KY: Paralysis of conjugate vertical ocular movements and disturbance of sleep rhythm. *Brit J Ophthalmol* 48:399-401, Jul 64
- Chance RE**  
Chance RE, Mertz ET, Halver JE: Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relationships between isoleucine and leucine for growth. *J Nutr* 83:177-85, Jul 64
- Chandler RL**  
Chandler RL: Mycobacterial disease in man and animals. Johne's disease in domestic and experimental animals. *Proc Roy Soc Med* 57:481-2, Jun 64
- Chandy J**  
Abraham J, Chandy J: Meningiomas of the posterior fossa without dural attachment: a case report. *J Neurosurg* 20:177-9, Feb 63



# ABRIDGED INDEX MEDICUS

- Chandy J**  
**Abraham J, Chandy J:** Ventriculo-atrial shunt in the management of posterior-fossa tumours: preliminary report. *J Neurosurg* 20:252-3, Mar 63
- Chang FC**  
**Chang FC:** Seroflocculating steroids. XI. Interim summary. *Clin Chem* 10:490-6, Jun 64
- Chang TW**  
**Chang TW, Weinstein L:** Photosensitization of human cell cultures by demethylchlorotetracycline. *Proc Soc Exp Biol Med* 116:509-12, Jun 64
- Chanock RM**  
**Taylor-Robinson D, Canchoa J, Fox H, Chanock RM:** A newly identified oral mycoplasma (*M. orale*) and its relationship to other human mycoplasmas. *Amer J Hyg* 80:135-48, Jul 64
- Chanock RM**  
**Kapikian AZ, Johnson KM, Chanock RM, Bell JA, Dyke LM, Iler RE:** A pilot study of acute respiratory illnesses on a college campus. *Amer Rev Resp Dis* 90:175-82, Aug 64
- Chapekar TN**  
**Ranadive KJ, Chapekar TN:** In vitro studies on mouse mammary gland response to hormonal treatment. *Brit J Cancer* 18:308-11, Jun 64
- Chaplin JP**  
**Raah V, Chaplin JP, Bajusz E:** Myocardial necroses produced in domesticated rats and in wild rats by sensory and emotional stresses. *Proc Soc Exp Biol Med* 116:685-9, Jul 64
- Chapman EM**  
**Dunn JT, Chapman EM:** Rising incidence of hypothyroidism after radioactive-iodine therapy in thyrotoxicosis. *New Eng J Med* 271:1037-42, 12 Nov 64
- Chapman R**  
**Chapman R, Foran R, Dunphy JE:** Management of intestinal fistulas. *Amer J Surg* 108:157-64, Aug 64
- Chappie JC**  
**Chappie JC, Connolly JE:** Efficacy of left heart bypass in the treatment of acute heart failure. *Surg Forum* 15:262-3, 1964
- Chappie PA**  
**Chappie PA:** Opiate Addiction. *Lancet* 2:649, 19 Sep 64
- Charache S**  
**Charache S, Conley CL:** Rate of sickling of red cells during deoxygenation of blood from persons with various sickling disorders. *Blood* 24:25-48, Jul 64
- Charbon GA**  
**Sebus J, Charbon GA:** Spontaneous nocturnal gastric secretion-acid, pepsin. In patients with or without duodenal ulcer. *Arch Surg (Chicago)* 89:709-15, Oct 64
- Chard T**  
**Chard T:** The Chiari-Frommel syndrome. An experiment of nature. *J Obstet Gynaec Brit Comm* 71:624-6, Aug 64
- Charif P**  
**Charif P:** Subcapsular hemorrhage of the liver in the newborn. An inquiry into its causes. *Clin Pediat (Phila)* 3:428-31, Jul 64
- Chase GD**  
**Neff N, Rossi GV, Chase GD, Rabinowitz JL:** Distribution and metabolism of mescaline-C14 in the cat brain. *J Pharmacol Exp Ther* 144:1-7, Apr 64
- Chase PE**  
**Alexander SC, Wollman H, Cohen PJ, Chase PE, Behar M:** Cerebrovascular response to Paco<sub>2</sub> during halothane anesthesia in man. *J Appl Physiol* 19:561-5, Jul 64
- Chase WH**  
**Platzer AC, Chase WH:** Histologic alterations in preclinical mouse muscular dystrophy. *Amer J Path* 44:931-46, Jun 64
- Chat E**  
**Gerson IM, Chat E, Twigger NA:** Clinical trial of a potentiated diketopiperazine derivative as a psychopharmacological agent for the treatment of psychotic patients. *Amer J Psychiat* 121:179-81, Aug 64
- Chatagnon PA**  
**Chatagnon C, Chatagnon PA:** Le 8089 CBI (Benzperidol-butyrophénone fluorée) dans les états d'agitation psycho-motrice et les troubles caractériels. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)
- Chatagnon C**  
**Chatagnon C, Chatagnon PA:** Le 8089 CBI (Benzperidol-butyrophénone fluorée) dans les états d'agitation psycho-motrice et les troubles caractériels. *Presse Med* 72:2151-2, 12 Sep 64 (Fr)
- Châtel R**  
**Bálint P, Châtel R, Fekete A, Forgács I:** Haemodynamics and oxygen consumption of the kidney in post-ischaemic renal failure. *Clin Sci* 26:471-7, Jun 64
- Chatrion GE**  
**Chatrion GE, Perez-Borja C:** Depth electrographic observations in two cases of photo-oculoclonic response. *Electroenceph Clin Neurophysiol* 17:71-5, Jul 64
- Chatterjee JB**  
**Chatterjee JB:** Leukaemia and phenylbutazone. *Brit Med J* 5413:875, 3 Oct 64
- Chatterjee S**  
**Chatterjee S, Chaudhury DS:** Pattern of eye diseases in leprosy patients of Northern Ghana. *Int J Leprosy* 32:53-63, Jan-Mar 64
- Chaudhury DS**  
**Chatterjee S, Chaudhury DS:** Pattern of eye diseases in leprosy patients of Northern Ghana. *Int J Leprosy* 32:53-63, Jan-Mar 64
- Chauvergne J**  
**Lagarde C, Hirtz G, Hugues A, Chauvergne J, Hoerni B:** Traitement palliatif des cancers par Thio-TEPA. Etude de 115 observations. Intérêt dans les cancers mammaires. *Presse Med* 72:2285-90, 23 Sep 64 (Fr)
- Chavez FR**  
**Guzman SV, Chavez FR, Imperial ES:** Myocardial blood flow after experimental pulmonary embolism in the intact dog. *Amer Heart J* 68:66-70, Jul 64
- Chávez I**  
**Chávez I:** Professional ethics in medicine in our time. *JAMA* 190:226-31, 19 Sep 64
- Cheldelin VH**  
**Kerwar SS, Cheldelin VH, Parks LW:** Valine-isoleucine metabolism in *Acetobacter suboxydans* and the inhibition of growth by valine. *J Bact* 88:179-86, Jul 64
- Chen HC**  
**Chen HC:** Kernicterus in the Chinese newborn. A morphological and spectrophotometric study. *J Neuropath Exp Neurol* 23:527-49, Jul 64
- Chen KK**  
**Rose CL, Chen KK, Harris PN:** Mercuric cyanide poisoning and its treatment in dogs. *Proc Soc Exp Biol Med* 116:371-3, Jun 64
- Cherry RE**  
**Nelson NM, Prod'hom LS, Cherry RB:** Nitrogen excretion by newborn infants during oxygen breathing. *J Pediat* 65:299-300, Aug 64
- Chesley LC**  
**Chesley LC, Uichanco L, Lenobel A, Kellerman H:** Placental permeability to sucrose: a source of error in measuring volumes of sucrose distribution in gravidas. *Obstet Gynec* 23:795-8, May 64
- Chesney MO**  
**Chesney MO:** Equipment for diagnostic radiograph--the level of membership examination papers. *Radiography* 30:183-7, Jul 64
- Cheung YH**  
**Cheung YH, Baum V:** The detection and surgery of varices of the lesser saphenous vein. *Vasc Dis* 1:212-3, Jul 64
- Chevalier P**  
**Lyons GW, Nicoloff DM, Chevalier P, Fox LJ:** Systemic hypotension by polybasic polymers. *Surg Forum* 15:95-7, 1964
- Chiandussi L**  
**Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L:** Effect of drug infusion on the systemic and splanchnic circulation. 1. Bradykinin infusion in normal subjects. *Clin Sci* 26:487-91, Jun 64
- Chiandussi L**  
**Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L:** Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. *Clin Sci* 26:493-8, Jun 64
- Chiappa S**  
**Chiappa S, Galli G, Palma C:** Observations on intralymphatic radiotherapy and general chemotherapy. *Clin Radiol* 15:202-9, Jul 64
- Chick EW**  
**Dudley MA, Chick EW:** Corneal lesions produced in rabbits by an extract of *Fusarium moniliforme*. *Arch Ophthalmol (Chicago)* 72:346-50, Sep 64
- Chidsey CA**  
**Harrison DC, Chidsey CA, Braunwald E:** Effect of hemorrhagic shock on release of norepinephrine by tyramine. *Amer J Physiol* 206:1262-6, Jun 64
- Child PL**  
**Czarnecki SW, Hopeman AR, Child PL:** Tetralogy of Fallot with aortic origin of the left pulmonary artery: radiographic and angiographic considerations. Report of a case. *Dis Chest* 46:97-101, Jul 64
- Childers RW**  
**McCreary PC, Childers RW:** Two unusual cases of giant cell myocarditis associated with mitral stenosis and with Wegener's syndrome. *Brit Heart J* 26:490-8, Jul 64
- Chinard FP**  
**Chinard FP, Enns T, Nolan MF:** Arterial hematocrit and separation of cells and plasma in the dog kidney. *Amer J Physiol* 207:128-32, Jul 64
- Chirigos MA**  
**Chirigos MA:** Studies with the murine leukemogenic Rauscher virus. 3. An in vivo assay for anti-viral agents. *Cancer Res* 24:1035-41, Jul 64
- Chisholm IA**  
**Chisholm IA:** Intra-ocular metallic foreign bodies. *Brit J Ophthalmol* 48:364-72, Jul 64
- Chiu CJ**  
**Chiu CJ, Shafter GW, Dennis C:** Hypotension: determinant in spontaneous control of arterial hemorrhage. *Surg Forum* 15:3-4, 1964
- Chodos DJ**  
**Hughes ER, Ely RS, Chodos DJ, Done AK, Kirschvink JF, Ainger LE, Kelley VC:** Corticosterone half-life in children. *Amer J Dis Child* 108:366-71, Oct 64
- Chou SN**  
**Bradley WE, Chou SN, French LA:** Further experience with the radio transmitter receiver unit for the neurogenic bladder. *J Neurosurg* 20:953-60, Nov 63
- Chou SN**  
**Chou SN:** Embolotomy of middle cerebral artery: report of a case. *J Neurosurg* 20:161-3, Feb 63
- Chouraki L**  
**Albony R, Benichou C, Chouraki L, Solal C:** Dorsalgies bénignes dites essentielles, de l'adulte jeune. *Presse Med* 72:2515-7, 17 Oct 64 (Fr)
- Chow BF**  
**Chow BF:** Growth of rats from normal dams restricted in diet in previous pregnancies. *J Nutr* 83:289-92, Aug 64
- Chow BF**  
**Sloane HN Jr, Chow BF:** Vitamin B 6 deficiency and the initial acquisition of behavior. *J Nutr* 83:379-84, Aug 64
- Christenberry KW**  
**Christenberry KW, Upton AC, Conklin JW:** Recording lens opacities. *Arch Ophthalmol (Chicago)* 72:667-9, Nov 64
- Christensen P**  
**Mortens J, Christensen P:** Traumatic separation of the upper femoral epiphysis as an obstetrical lesion. *Acta Orthop Scand* 34:238-50, 1964
- Christian CD**  
**Henry JB, Little WA, Christian CD:** Modified immunologic test for pregnancy. *Amer J Clin Path* 42:109-13, Jul 64
- Christian HJ**  
**Christian HJ:** Aberdeen epidemic. *New Eng J Med* 271:1018-9, 5 Nov 64
- Christian JE**  
**Christian JE, Combs LW, Kessler WV:** The body composition of obese subjects. Studies of the effect of weight loss on the fat and lean body mass. *Amer J Clin Nutr* 15:20-8, Jul 64
- Christie AB**  
**Christie AB:** Ampicillin for typhoid carriers. *Brit Med J* 5413:876, 3 Oct 64
- Christol B**  
**Baxex A, Dupré A, Christol B:** Acétonide de fluocinolone (0.01 per cent) sous pansement occlusif. Intérêt thérapeutique en dermatologie de cette nouvelle présentation à faible concentration. *Presse Med* 72:2387-8, 3 Oct 64 (Fr)
- Chronister RR**  
**Rouhandeh H, Chronister RR, Brinkman ML:** Propagation of encephalomyocarditis virus in swine embryo kidney cells. *Proc Soc Exp Biol Med* 116:610-2, Jul 64
- Chrysosou A**  
**Peckham GB, Chrysosou A, Aldridge HE, Wigle ED:** Combined percutaneous retrograde aortic and transapical left heart catheterization. *Brit Heart J* 26:460-8, Jul 64
- Chryssanthou C**  
**Antopol W, Chryssanthou C:** Schwartzman phenomenon mechanism: newer concepts. Inhibition by antibradykinin and antiserotonin compounds. *Arch Path (Chicago)* 78:313-24, Oct 64
- Chu EW**  
**Chu EW, Malmgren RA:** Effect of ototic acid on the metastasis of mammary tumors in mice. *Cancer Res* 24:671-3, May 64
- Chu LS**  
**Abramson DI, Tuck S Jr, Chu LS, Agustin CC, Lee SW:** Vascular effects of heparin. *Vasc Dis* 1:180-5, Jul 64
- Chubb LG**  
**Freeman BM, Chubb LG:** Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. *J Bact* 88:93-5, Jul 64
- Chulajata R**  
**Nelson ER, Bierman HR, Chulajata R:** Hematologic findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand. *Amer J Trop Med* 13:642-9, Jul 64
- Chun D**  
**Chun D, Kan PS, Ho HC, Wong CP:** The Hong Kong Chinese female bony pelvis and its influence on labour. A radiographic and clinical study of 1,005 women. *J Obstet Gynaec Brit Comm* 71:556-64, Aug 64
- Chungcharoen D**  
**Chungcharoen D:** Genesis of Korotkoff sounds. *Amer J Physiol* 207:190-4, Jul 64
- Churney L**  
**Churney L, Ohshima H:** An improved suction electrode for recording from the dog heart in situ. *J Appl Physiol* 19:793-8, Jul 64
- Chusid JG**  
**Conley JJ, Chusid JG, Schechter MM:** Angiography in head and neck surgery. *Arch Surg (Chicago)* 89:609-18, Oct 64
- Ciaranfi E**  
**Guidotti GG, Fonnesu A, Ciaranfi E:** Inhibition of amino acid incorporation into protein of Yoshida ascites hepatoma cells by glyceraldehyde. *Cancer Res* 24:900-5, Jun 64
- Cibis PA**  
**Okun E, Cibis PA:** The role of photocoagulation in the management of retinoschisis. *Arch Ophthalmol (Chicago)* 72:309-14, Sep 64
- Cividalli G**  
**Mirvish S, Cividalli G, Berenblum I:** Slow elimination of urethane in relation to its high carcinogenicity in newborn mice. *Proc Soc Exp Biol Med* 116:265-8, Jun 64
- Claireaux AE**  
**Duckett S, Claireaux AE:** Cerebral teratoma associated with epignathus in a newborn infant. *J Neurosurg* 20:888-91, Oct 63
- Clancey JK**  
**Clancey JK:** Mycobacterial skin ulcers in Uganda: description of a new *Mycobacterium* (*Mycobacterium buruli*). *J Path Bact* 88:175-87, Jul 64
- Clark CG**  
**Clark CG, Murray JG, Slessor IM, Wyllie JH:** Complete vagotomy and its consequences: follow-up of 146 patients. *Brit Med J* 5414:900-3, 10 Oct 64
- Clark DS**  
**Clark DS, Gewurz H, Good RA, Varco RL:** Complement fixation during homograft rejection. *Surg Forum* 15:144-6, 1964
- Clark J**  
**Becker FO, Clark J, Schwartz TB:** L-leucine sensitivity and glucose tolerance in normal subjects. *J Clin Endocr* 24:554-9, Jun 64
- Clark JJ**  
**Duncan GW, Lyster SC, Hendrix JW, Clark JJ, Webster HD:** Biologic effects of melengestrol acetate. *Fertil Steril* 15:416-32, Jul-Aug 64
- Clark RF**  
**Bates HR Jr, Clark RF:** Assay of carcinoid tumor for quinonoid derivatives of 5-hydroxytryptamine. *Amer J Clin Path* 42:55-7, Jul 64
- Clark SH**  
**Gullino PM, Clark SH, Grantham FH:** The interstitial fluid of solid tumors. *Cancer Res* 24:780-94, Jun 64
- Clark TL**  
**Clark TL, Jacobs WM:** Isoimmunization of the Rh-negative mother during the third stage of labor. *Obstet Gynec* 23:764-7, May 64
- Clarke SW**  
**Clarke SW:** Jejunal perforation with the Crosby capsule. *Lancet* 2:727-8, 3 Oct 64
- Clatanoff DV**  
**Rossi EC, Clatanoff DV:** Maintenance of phosphonucleotides in platelets suspended in plasma. *J Lab Clin Med* 64:42-50, Jul 64



# ABRIDGED INDEX MEDICUS

- Clayton BE  
Barratt TM, Edwards RW, Makin HL, Clayton BE: Varieties of adrenal hyperplasia in children. *Proc Roy Soc Med* 57:527-8, Jun 64
- Clayton S  
Platt BS, Gray PG, Parr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. *Brit J Nutr* 18:413-29, 1964
- Cleasby GW  
Cleasby GW: Recurrent malignant melanoma of the iris. *Arch Ophthalmol* (Chicago) 72:332-6, Sep 64
- Cleland WP  
Cleland WP: The surgical management of obstructive cardiomyopathy. *Proc Roy Soc Med* 57:446-8, Jun 64
- Clerkin E  
Prezio JA, Carreon G, Clerkin E, Meloni CR, Kyle LH, Canary JJ: Influence of body composition on adrenal function in obesity. *J Clin Endocr* 24:481-5, Jun 64
- Cleveland JC  
Cleveland JC, Powell AE, Hubay CA: Passive transfer of delayed hypersensitivity to purified proteins with a cell-free factor. *Surg Forum* 15:128-30, 1964
- Cleveland RJ  
Lee HM, Kauffman HM, Cleveland RJ, Hume DM: Selective immunosuppression by local radiation of renal homografts. *Surg Forum* 15:158-60, 1964
- Cleveland RJ  
Kauffman HM, Cleveland RJ, Lee HM, Hume DM: Significance of lymphocyturia in renal homograft rejection. *Surg Forum* 15:168-70, 1964
- Clinkingbeard JR  
Clinkingbeard JR, Gersten JW, Hoehn D: Energy cost of ambulation in the traumatic paraplegic. *Amer J Phys Med* 43:157-65, Aug 64
- Clouse ME  
Clouse ME, Fraley EE, Litwin SB: Lymphangiographic criteria for diagnosis of retroperitoneal fibrosis. *Radiology* 83:1-5, Jul 64
- Clouting FC  
Clouting FC, Wightman J: Code for drugs. *Brit Med J* 5416:1073, 24 Oct 64
- Cloves GH Jr  
Ikeda S, Medina H, Cloves GH Jr: Oxygen consumption during total perfusion with diluted blood at normal and hypothermic temperatures. *Surg Forum* 15:212-3, 1964
- Coakwell CA 3d  
Jonkers AH, Spence L, Coakwell CA 3d, Thornton JJ 3d: Laboratory studies with wild rodents and viruses native to Trinidad. I. Studies on the behavior of coecal virus. *Amer J Trop Med* 13:613-9, Jul 64
- Coates ME  
Harrison GF, Coates ME: Studies of the growth-promoting activity for chicks of fish solubles. *Brit J Nutr* 18:461-8, 1964
- Coben LA  
Coben LA, Loeffler JD, Elsasser JC: Spinal fluid iodide transport in the dog. *Amer J Physiol* 206:1373-8, Jun 64
- Cochrane CG  
Cochrane CG: Cutaneous anaphylactic reactions with antibodies of different qualities. *Proc Soc Exp Biol Med* 116:475-80, Jun 64
- Cockshott WP  
Hendrickse JP de, Cockshott WP, Evans KT, Barton CJ: Pelvic angiography in the diagnosis of malignant trophoblastic disease. *New Eng J Med* 271:859-66, 22 Oct 64
- Coelst M  
(Coelst M), Bovy GL, Maurice Coelst, M.D. *Brit J Plast Surg* 17:325, Jul 64
- Coffin GS  
Coffin GS: Brachydactyly, peculiar facies and mental retardation. *Amer J Dis Child* 108:351-9, Oct 64
- Cogan DG  
Cogan DG, Kuwabara T, Young GF, Knox DL: Herpes simplex retinopathy in an infant. *Arch Ophthalmol* (Chicago) 72:641-5, Nov 64
- Cogan DG  
Cogan DG: Melanoma or no. *Arch Ophthalmol* (Chicago) 72:451-2, Oct 64
- Cohen AI  
Cohen AI, Nicol EC, Richter W: Nerve growth factor requirement for development of dissociated embryonic sensory and sympathetic ganglia in culture. *Proc Soc Exp Biol Med* 116:784-9, Jul 64
- Cohen C  
Colberg JE, Cohen C, Hubay CA: Effect of whole blood on the survival time of skin homografts in rabbits. *Surg Forum* 15:139-41, 1964
- Cohen D  
Cohen D: Intestinal obstruction in mucoviscidosis. *Aust New Zeal J Surg* 34:47-9, Aug 64
- Cohen EL  
Conn JW, Cohen EL, Rovner DR: Suppression of plasma renin activity in primary aldosteronism. Distinguishing primary from secondary aldosteronism in hypertensive disease. *JAMA* 190:213-21, 19 Sep 64
- Cohen J  
Lithwick NH, Healy MK, Cohen J: Micro-analysis of bone by laser microprobe. *Surg Forum* 15:439-41, 1964
- Cohen PJ  
Alexander SC, Wollman H, Cohen PJ, Chase PE, Behar M: Cerebrovascular response to Paco<sub>2</sub> during halothane anesthesia in man. *J Appl Physiol* 19:561-5, Jul 64
- Cohen SG  
Cohen SG, Sapp TM, Rizzo AP, Kostage ST: Experimental eosinophilia. VII. Lymph node responses to altered gamma globulins. *J Allerg* 35:346-55, Jul-Aug 64
- Cohen SL  
Cohen SL, Legg S, Bird R: Abeside method of blood-glucose estimation. *Lancet* 2:863-4, 24 Oct 64
- Cohn GA  
Cohn GA: Pseudotumor cerebri in children secondary to administration of adrenal steroids. *J Neurosurg* 20:784-8, Sep 63
- Cohn I Jr  
DIVincenti FC, Heneghan JB, Cohn I Jr: Tumor growth in germfree and monocolonized animals. *Surg Forum* 15:350-2, 1964
- Cohn R  
Cohn R, Kountz SL: Relationship of blood flow in the kidney to the homograft reaction. *Amer J Surg* 108:245-9, Aug 64
- Cohn R  
Cohn R: DC recordings of paroxysmal disorders in man. *Electroenceph Clin Neurophysiol* 17:17-24, Jul 64
- Colin L  
Colin L, Hannoun C, Gomella C: Inactivation par l'ozone du virus de la poliomyélite présent dans les eaux. *Presse Med* 72:2153-6, 12 Sep 64 (Fr)
- Colberg JE  
Colberg JE, Cohen C, Hubay CA: Effect of whole blood on the survival time of skin homografts in rabbits. *Surg Forum* 15:139-41, 1964
- Cole A  
Mansfield PB, Cole A: Implantable pacemaker for infants and children. *Surg Forum* 15:246-7, 1964
- Cole FR  
Cole FR: Massive hernias associated with ectopic testes. *J Int Coll Surg* 42:355-7, Oct 64
- Cole JO  
Cole JO: Therapeutic efficacy of antidepressant drugs. A review. *JAMA* 190:448-55, 2 Nov 64
- Cole WR  
Cole WR, Bernard HR: Relationship of skin carriage to postoperative staphylococcal wound infection. *Surg Forum* 15:52-4, 1964
- Coleman EN  
Coleman EN, Sweet EM: Pulmonary hypertension following angiocardiography with sodium metrizoate. *Lancet* 2:913-4, 24 Oct 64
- Colen J  
Colen J, Van Arsdel PP Jr, Pasnick LJ, Horan JD: Observations on the experimental reproduction of asthma with mold antigens. *J Allerg* 35:331-8, Jul-Aug 64
- Coles JC  
Drake CG, Barr HW, Coles JC, Gergely NF: The use of extracorporeal circulation and profound hypothermia in the treatment of ruptured intracranial aneurysm. *J Neurosurg* 21:575-81, Jul 64
- Coley VC  
Oettgen HF, Purple JR, Coley VC, Krakoff IH, Burchenal JH: Potentiation of the anti-leukemic effects of 2-aminoadiazole by isonicotinamide and derivatives. *Cancer Res* 24:689-92, May 64
- Colgan FJ  
Colgan FJ: Relationship of changing bronchial caliber to respiration in the dog. *J Appl Physiol* 19:803-11, Jul 64
- Collier CR  
Collier CR, Mead J: Pulmonary exchange as related to altered pulmonary mechanics in anesthetized dogs. *J Appl Physiol* 19:659-64, Jul 64
- Collin R  
Cullen KJ, Collin R: Daily running causing Wenckebach heart-block. *Lancet* 2:729-30, 3 Oct 64
- Collins DH  
Collins DH, Cameron KM: Interstitial-cell tumour. *Brit J Urol* 36:Suppl:62-9, Jun 64
- Collins DH  
Collins DH, Pugh RC: Classification and frequency of testicular tumours. *Brit J Urol* 36:Suppl:1-11, Jun 64
- Collins DH  
Collins DH, Symington T: Sertoli-cell tumour. *Brit J Urol* 36:Suppl:52-61, Jun 64
- Collins HA  
Brockman SK, Snyder HE, Collins HA: Relationship of ventricular pressure, aortic pressure and flow, and their alteration by the Starr aortic valve. *Surg Forum* 15:255-7, 1964
- Collins HA  
Foster JH, Killen DA, Sessions RT, Rhea GW, Winfrey EW 3d, Collins HA: The relative toxicity of angiographic contrast media. *Vasc Dis* 1:8-20, Jan 64
- Collins SC  
Brown H, Patel J, Barsamian EM, Collins SC, McDermott WV Jr: Cold preservation of liver for heterotransplantation. *Surg Forum* 15:215-7, 1964
- Collins WE  
Wist ER, Collins WE: Some characteristics of voluntary nystagmus. *Arch Ophthalmol* (Chicago) 72:470-5, Oct 64
- Collins WE  
Labhsetwar AP, Collins WE, Tyler WJ, Casida LE: Some pituitary-ovarian relationships in the periparturient cow. *J Reprod Fertil* 8:85-90, Aug 64
- Collins WE  
Labhsetwar AP, Collins WE, Tyler WJ, Casida LE: Effect of progesterone and oxytocin on the pituitary-ovarian relationship in heifers. *J Reprod Fertil* 8:77-83, Aug 64
- Collins WF  
Jenkins DW, Carruthers RR, Litofsky A, Collins WF: Electrophysiological study of regenerating peripheral nerve. Relationship of size of fibers and rate of growth. *J Neurosurg* 20:344-7, Apr 63
- Collins WP  
Forleo R, Collins WP: Some aspects of steroid biosynthesis in human ovarian tissue. *Acta Endocr* (Copenhagen) 46:265-78, Jun 64
- Collipp PJ  
Collipp PJ, Kaplan SA, Boyle DC, Plachte F, Kogut MD: Constitutional isosexual precocious puberty. Effects of medroxyprogesterone acetate therapy. *Amer J Dis Child* 108:399-405, Oct 64
- Collipp PJ  
Collipp PJ, Kaplan SA, Boyle DC, Shimizu CS: Protein bound human growth hormone. *Metabolism* 13:532-8, Jun 64
- Collis JS Jr  
Collis JS Jr: Anterolateral cordotomy by an anterior approach: report of a case. *J Neurosurg* 20:445-6, May 63
- Colwell RR  
Colwell RR, Mandel M: Adansonian analysis and deoxyribonucleic acid base composition of some gram-negative bacteria. *J Bact* 87:1412-22, Jun 64
- Comarr AE  
Comarr AE: An improved U-tube catheter. *J Urol* 92:78-9, Jul 64
- Comas FV  
Kretschmar AL, Comas FV: Correlation between kidney muramidase activity and plasma iron removal in rats with Walker-256 carcinosarcoma. *Proc Soc Exp Biol Med* 116:275-7, Jun 64
- Combrink PB  
Combrink PB: Transient unilateral vascular occlusion associated with accidental ante-partum haemorrhage. *J Obstet Gynaec Brit Comm* 71:461-3, Jun 64
- Combs LW  
Christian JE, Combs LW, Kessler WV: The body composition of obese subjects. Studies of the effect of weight loss on the fat and lean body mass. *Amer J Clin Nutr* 15:20-8, Jul 64
- Comenale D  
Filla E, Comenale D, Rossi F: La terapia chemio-antibiotica della tubercolosi nei diabetici e sue ripercussioni sul ricambio glucidico. *Minerva Med* 55:2417-22, 18 Aug 64 (It)
- Compere WE Jr  
Compere WE Jr: Radiologic findings in patients with otosclerosis. *J Laryng* 78:649-53, Jul 64
- Compton JR  
Eckenhoff JE, Compton JR, Larson A, Davies RM: Assessment of cerebral effects of deliberate hypotension by psychological measurements. *Lancet* 2:711-4, 3 Oct 64
- Concannon TR  
Dreyer JJ, Du Bruyn DB, Concannon TR: Protein value and antitryptic activity of certain pulses grown in South Africa, with special reference to the effect of heat treatment. *S Afr Med J* 38:854-8, 22 Aug 64
- Condie RM  
Condie RM, Staab EV, Good RA: Biologic relationship of endotoxin and other toxic proteins. IV. Effect of heparin on endotoxin-induced hypersusceptibility to snake venoms. *Proc Soc Exp Biol Med* 116:696-701, Jul 64
- Condon RE  
Condon RE, Nyhus LM, Harkins HN: Isolated perfused bovine liver: responses to common vasoactive drugs. *Arch Surg* (Chicago) 89:602-8, Oct 64
- Condon RE  
Condon RE, Tobias H, Datta DV: Importance of liver in release and degradation of lipoprotein lipase. *Surg Forum* 15:92-3, 1964
- Condreras A  
Mihaly JP, Schwarz S, Condreras A: Superior pulmonary sulcus tumor with classical Pancoast syndrome: case report. *J Amer Geriatr Soc* 12:800-6, Aug 64
- Confrey EA  
Confrey EA: Research in pathology: United States Public Health Service Research Grants. *Lab Invest* 13:722-9, Jun 64
- Cónill Serra V  
Cónill Serra V, Rubio Roig J: Contribución a la casuística del lipoma del útero. *J Int Coll Surg* 42:438-43, Oct 64 (Sp)
- Conklin JW  
Christenberry KW, Upton AC, Conklin JW: Recording lens opacities. *Arch Ophthalmol* (Chicago) 72:667-9, Nov 64
- Conley CL  
Levin J, Conley CL: Thrombocytosis associated with malignant disease. *Arch Intern Med* (Chicago) 114:497-500, Oct 64
- Conley CL  
Charache S, Conley CL: Rate of sickling of red cells during deoxygenation of blood from persons with various sickling disorders. *Blood* 24:25-48, Jul 64
- Conley JJ  
Conley JJ, Chusid JG, Schechter MM: Angiography in head and neck surgery. *Arch Surg* (Chicago) 89:609-18, Oct 64
- Conn JW  
Conn JW, Arbor A: Plasma renin activity in primary aldosteronism. Importance in differential diagnosis and in research of essential hypertension. *JAMA* 190:222-5, 19 Sep 64
- Conn JW  
Conn JW, Cohen EL, Rovner DR: Suppression of plasma renin activity in primary aldosteronism. Distinguishing primary from secondary aldosteronism in hypertensive disease. *JAMA* 190:213-21, 19 Sep 64
- Connell JT  
Lidd D, Connell JT: Specific binding of an I-131-labeled ragweed pollen fraction by sera of untreated ragweed-sensitive humans. *J Allerg* 35:289-305, Jul-Aug 64
- Conner GH  
Rytel MW, Conner GH, Welch CC, Kraybill WH, Edwards EA, Rosenbaum MJ, Frank PF, Miller LF: Infectious agents associated with cylindrical bronchiectasis. *Dis Chest* 46:23-8, Jul 64
- Connolly JE  
Chapple JC, Connolly JE: Efficacy of left heart bypass in the treatment of acute heart failure. *Surg Forum* 15:262-3, 1964
- Connolly JG  
Connolly JG, Moser HA, Tannenbaum M, Graff S, Veenema RJ: In vitro labeling and autoradiography of exfoliated cells in carcinoma of the human bladder. *Surg Forum* 15:489-90, 1964
- Conolly ME  
Conolly ME, Ellis H: Anuria due to uric acid crystalluria: an unusual complication of therapy in the reticuloses. *Brit J Cancer* 18:247-51, Jun 64



# ABRIDGED INDEX MEDICUS

- Conrad ME  
Weintraub LR, Conrad ME, Crosby WH: The significance of iron turnover in the control of iron absorption. *Blood* 24:19-24, Jul 64
- Constam GR  
Constam GR: Praktische Diabetesfragen. I. Heredität und Frühdiagnose. *Deutsch Med Wschr* 89:1831-2, 25 Sep 64 (Ger)
- Constantine JW  
Scriabine A, Booher KD, McShane WK, Constantine JW, Miknisi S: Some cardiovascular actions of benzquinamide. *J Pharmacol Exp Ther* 144:131-7, Apr 64
- Convery FR  
Convery FR, Akeson WH: Ester sulfate and collagen content of articular cartilage from human being femoral heads. *Surg Forum* 15:435-7, 1964
- Conway CF  
Conway CF: Transfusion syndrome in multiple pregnancy. *Obstet Gynec* 23:745-51, May 64
- Cooke WT  
Whitfield AG, Bateman M, Cooke WT: Temporal arteritis. *Brit J Ophthalmol* 47:555-66, Sep 63
- Coomaraswamy RP  
Coomaraswamy RP, Del Guercio LR, Feins NR: Hemodynamic effects of pitressin infusion during gastroesophageal hemorrhage. *Surg Forum* 15:116-8, 1964
- Coomaraswamy RP  
Del Guercio LR, Coomaraswamy RP, Feins NR, State D: Bedside hemodynamic diagnosis of acute pulmonary embolism. *Surg Forum* 15:192-4, 1964
- Coombs P  
Pinto D, Richards V, Coombs P: Carbon dioxide effect on cerebral oxygenation at increased atmospheric pressures. *Surg Forum* 15:411-2, 1964
- Coon MJ  
Kusunose M, Kusunose E, Coon MJ: Enzymatic omega-oxidation of fatty acids. I. Products of octanoate, deconate, and laurate oxidation. *J Biol Chem* 239:1374-80, May 64
- Coon WW  
Kirsh MM, Neill SA, Coon WW, Zuidema GD: The role of portal systemic shunting in experimental ammonia intoxication. *Surg Forum* 15:100-1, 1964
- Cooper DW  
Cooper DW, Cavicce DC: Primary juvenile otalgia: report of a case with surgical cure. *J Neurosurg* 20:895-8, Oct 63
- Copper GM  
Saufman HE, Capella JA, Maloney ED, Robbins JE, Cooper GM, Uotila MH: Corneal toxicity of cytosine arabinoside. *Arch Ophthalmol* (Chicago) 72:535-40, Oct 64
- Cooper IS  
Cooper IS, Stellar S: Cryogenic freezing of brain tumors for excision or destruction in situ. *J Neurosurg* 20:921-30, Nov 63
- Cooper T  
Willman VL, Cooper T, Hanlon CR: Return of neural responses after autotransplantation of the heart. *Amer J Physiol* 207:187-9, Jul 64
- Cooper T  
Kaiser GC, Hirsch EF, Cooper T: Induction of A-V dissociation without apparent injury to conductive tissue. *Surg Forum* 15:244-5, 1964
- Cooper T  
Rubeiz MT, Paletta FX, Mudd JG, Cooper T: Lymphatic cineradiography. *Surg Forum* 15:461-3, 1964
- Copeland MM  
Copeland MM: The relationship of enzymes and viruses to cancer. Introduction. *Southern Med J* 57:1261-2, Nov 64
- Copeman PW  
Copeman PW, Wallace HJ: Eczema vaccinatum. *Brit Med J* 54:14:906-8, 10 Oct 64
- Copferman R  
Ougier J, Copferman R, Mengus C: Leucémie aiguë myéloblastique à évolution prolongée et à localisation encéphalo-méningée isolée et tardive. *Presse Med* 72:2227-8, 19 Sep 64 (Fr)
- Copp DH  
Copp DH, Henze KG: Parathyroid origin of calcitonin-evidence from perfusion of sheep glands. *Endocrinology* 75:49-55, Jul 64
- Corboy PM  
Corboy PM: Iridectomy and hemostasis facilitated by suction. *Arch Ophthalmol* (Chicago) 72:343-5, Sep 64
- Corcos MG  
Corcos MG: Sulphone resistance in leprosy. *Lancet* 2:864-5, 17 Oct 64
- Coriell LL  
Hodes HI, Coriell LL: Poliomyelitis antibodies in human colostrum and milk. *J Pediatr* 65:319-20, Aug 64
- Coriell LL  
Greene AE, Silver RK, Krug M, Coriell LL: Preservation of cell cultures by freezing in liquid nitrogen vapor. *Proc Soc Exp Biol Med* 116:462-7, Jun 64
- Cornely D  
Pagano JS, Plotkin SA, Cornely D: The response of premature infants to infection with type 3 attenuated poliovirus. *J Pediatr* 65:165-75, Aug 64
- Corner B  
Corner B: Urethral obstruction in children. Bladder neck hypertrophy in childhood. *Proc Roy Soc Med* 57:727-30, Aug 64
- Corpe RF  
Corpe RF, Blalock FA: Alternating regimens of streptomycin-pyrazinamide, isoniazid-para-aminosalicylic acid at Battey State Hospital. *Amer Rev Resp Dis* 90:282-5, Aug 64
- Correa PR  
Correa PR, Marques M: Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity. *Metabolism* 13:496-8, Jun 64
- Correa RJ Jr  
Heidericks DR Jr, Rapp R, Correa RJ Jr, Lapides J: An improved method of excretory urography. *J Urol* 92:75-7, Jul 64
- Corrin B  
Corrin B: Paradoxical embolism. *Brit Heart J* 26:549-53, Jul 64
- Cort JH  
Cort JH, Hammer J, Ulyrch M, Pisa Z, Dousa T, Rüdinger J: Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. *Lancet* 2:840-1, 17 Oct 64
- Corvese WP  
Liffmann KE, Dorman BA, Corvese WP: Local hypothermia for hematemes in a hemophilic. *JAMA* 190:553-4, 9 Nov 64
- Coskun O  
Gensini GG, DiGiorgi S, Serra C, Coskun O, Black A: Coronary angiography. *Vasc Dis* 1:34-44, Jan 64
- Cosnett JE  
Cosnett JE, Pudifin DJ: Embolic complications of cardiomyopathy. *Brit Heart J* 26:544-8, Jul 64
- Costa M  
Costa M, Owens G, Woldring S: Experimental production of cerebral hypothermia by ventricular perfusion techniques. *J Neurosurg* 20:112-7, Feb 63
- Costal M  
Costal M, Ausman J, Woldring S, Owens G: Monoventricular hypothermic perfusion. Cortical electric responses to analeptic agents. *J Neurosurg* 20:875-8, Aug 63
- Coste F  
Coste F, Massias P, Schoeller JP: Forme pseudo-rhumatoïde de spondylarthrite ankylosante? *Presse Med* 72:2295-8, 23 Sep 64 (Fr)
- Coste F  
(Lacapère J), Coste F: Jean Lacapère (1898-1964) *Presse Med* 72:2246, 19 Sep 64 (Fr)
- Coster C  
Wollheim FA, Belfrage S, Coster C, Lindholm H: Primary "acquired" hypogammaglobulinemia; clinical and genetic aspects of nine cases. *Acta Med Scand* 176:1-16, Jul 64
- Cotchin E  
Cotchin E: Spontaneous uterine cancer in animals. *Brit J Cancer* 18:209-27, Jun 64
- Cotter J  
Cotter J, Prystowsky H: Fetal blood studies. XX. Levels of human fetal hemoglobin during pregnancy. *Obstet Gynec* 23:735-7, May 64
- Cotter WB  
Rovin S, Dachi SF, Borenstein DB, Cotter WB: Mandibulofacial dysostosis, a familial study of five generations. *J Pediatr* 65:215-21, Aug 64
- Cottier H  
Nielsen NO, Feinendegen LE, Bond VP, Odartchenko N, Cottier H: In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. *Proc Soc Exp Biol Med* 116:498-501, Jun 64
- Coulson AS  
Coulson AS, Chalmers DG: Effects of phytohaemagglutinin on leucocytes. *Lancet* 2:819-20, 10 Oct 64
- Coupland AE  
Coupland AE: An apparatus for continuous gastric suction. *Med J Aust* 2:306-7, 22 Aug 64
- Courcier R  
Courcier R, Monties JR, Villani R, Henry E: Les réactions tissulaires au contact des fils de suture non résorbables. (Etude expérimentale comparative) *Presse Med* 72:2233-4, 19 Sep 64 (Fr)
- Couris GD  
Couris GD, Block MA, Rupe CE: Gastrointestinal complications of collagen diseases. Surgical implications. *Arch Surg* (Chicago) 89:695-700, Oct 64
- Courjaret J  
Bricaire H, Joly J, Mathieu de Fossey B, Courjaret J, Baillet J: Exploration du couple hypophyso-thyroïdien à l'aide d'un dérivé de l'imidazole. A propos de 25 observations personnelles. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)
- Courtice FC  
(Douglas CG), Courtice FC: Claude Gordon Douglas, 28 February 1882-23 March 1963. *J Path Bact* 88:343-57, Jul 64
- Couves CM  
Thurston OG, Couves CM: Prophylactic lymph node dissection. *Surg Forum* 15:343-4, 1964
- Cowley RA  
Blair E, Henning G, Hornick R, Cowley RA: Hypothermia in bacteremic shock. *Arch Surg* (Chicago) 89:619-29, Oct 64
- Cowley RA  
Attar SM, Esmond WG, Blair E, Cowley RA: Hyperbaric oxygenation in massive pulmonary embolism. *Surg Forum* 15:200-2, 1964
- Cowley RA  
Hashimoto S, Cowley RA: Treatment of experimental hemorrhagic shock in dogs with mitochondria. *Surg Forum* 15:10-2, 1964
- Cowsert M  
Carrier O Jr, Cowsert M, Hancock J, Guyton AC: Effect of hydrogen ion changes on vascular resistance in isolated artery segments. *Amer J Physiol* 207:168-72, Jul 64
- Cox B  
Kizer DE, Lovig CA, Howell BA, Cox B: Changes in the adenylic acid deaminase activity of rat liver during carcinogenesis. *Cancer Res* 24:1050-5, Jul 64
- Cox HR  
Cabasso VJ, Nomell H, Rueggesser JM, Cox HR: Poliovirus antibody two years after oral trivalent vaccine (Sabin strains). *JAMA* 190:248-50, 19 Sep 64
- Coxe WS  
Coxe WS, Luse SA: Colloid cyst of third ventricle. An electron microscopic study. *J Neuropathol Exp Neurol* 23:431-45, Jul 64
- Coyas SI  
Bloch EH, Coyas SI: The transit of large molecules and particulate matter across individual endothelial cells analyzed in living animals with television microphotometry. *Angiology* 15:353-61, Aug 64
- Craddock D  
Craddock D: Long-acting sulphonamides associated with Stevens-Johnson syndrome. *Lancet* 2:864, 17 Oct 64
- Craft IL  
Caro D, Craft IL, Howells JB, Shaw PC: Diagnosis and treatment of injury of lateral ligament of the ankle joint. *Lancet* 2:720-3, 3 Oct 64
- Cramer K  
Werko L, Paulin S, Cramer K: The use of coronary angiography in clinical investigation. *Proc Roy Soc Med* 57:664-7, Aug 64
- Cramer LM  
Cramer LM, Hinshaw JR, Spar IL: Caproic acid analogues to prolong survival of skin homografts. *Surg Forum* 15:479-80, 1964
- Crampton JH  
Hill LD, Kellogg H Jr, Crampton JH, Jones HW, Baker JW: Changing management of carcinoma of the thyroid. *Amer J Surg* 108:176-82, Aug 64
- Crampton RS  
Case RB, Roven RB, Crampton RS: Relief of high left-atrial pressure in left-ventricular failure. *Lancet* 2:841-2, 17 Oct 64
- Crandall PH  
Crandall PH, Walter RD, Rand RW: Clinical applications of studies on stereotactically implanted electrodes in temporal-lobe epilepsy. *J Neurosurg* 20:827-40, Oct 63
- Crandell DL  
De La Torre E, Alexander E Jr, Davis CH Jr, Crandell DL: Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. *J Neurosurg* 20:461-70, Jun 63
- Crane WA  
Crane WA, Dutta LP: The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. *J Path Bact* 88:291-301, Jul 64
- Craven JD  
Craven JD: Renal glomerular osteodystrophy. *Clin Radiol* 15:210-8, Jul 64
- Crawford BS  
Crawford BS: An unusual skin donor site. *Brit J Plast Surg* 17:311-3, Jul 64
- Crawford HH  
Crawford HH, Adamson JE, Horton CE: Hereditary hemorrhagic telangiectasia. Report of a case with severe complication following radical treatment. *Plast Reconstr Surg* 34:136-41, Aug 64
- Crawford J  
Crawford J: Living without a balancing mechanism. *Brit J Ophthalmol* 48:357-60, Jul 64
- Crawford JD  
Saxena KM, Crawford JD, Talbot NB: Childhood thyrotoxicosis: a long-term perspective. *Brit Med J* 54:1153-8, 7 Nov 64
- Crawford JD  
Soyka LF, Ziskind A, Crawford JD: Treatment of short stature in children and adolescents with human pituitary growth hormone (Raben). *New Eng J Med* 271:754-64, 8 Oct 64
- Crawford JS  
Crawford JS: Hyperbaric oxygen in resuscitation of the newborn. *Lancet* 2:815-6, 10 Oct 64
- Crawford RA  
Forbes GB, Crawford RA: Papillary cystadenoma of lacrimal caruncle. *Brit J Ophthalmol* 47:177-9, Mar 63
- Creasy J  
Randolph MF, Greenfield M, Creasy J: Ten-second urine culture and colony count. *Amer J Dis Child* 108:348-50, Oct 64
- Crech O Jr  
Abbott CP, Lindsey ES, Crech O Jr, De Witt CW: A technique for heart transplantation in the rat. *Arch Surg* (Chicago) 89:645-52, Oct 64
- Crech O Jr  
Abbott CP, Crech O Jr, DeWitt CW: Histologic and electrocardiographic changes of the transplanted rat heart. *Surg Forum* 15:253-5, 1964
- Creed RF  
Creed RF, Biggers JD: Placental haemophagous organs in the procyonidae and mustelidae. *J Reprod Fertil* 8:133-7, Aug 64
- Cremona T  
Cremona T: The lactic dehydrogenases of yeast. IV. D-alpha-Hydroxy acid dehydrogenase. *J Biol Chem* 239:1457-65, May 64
- Cremona T  
Cremona T, Singer TP: The lactic dehydrogenases of yeast. V. Chemical properties and function of the zinc component of D-lactic cytochrome reductase. *J Biol Chem* 239:1466-73, May 64
- Crile G Jr  
Brown CH, Crile G Jr: Pancreatic adenoma with intractable diarrhea, hypokalemia, and hypercalcemia. *JAMA* 190:30-4, 5 Oct 64
- Criley JM  
Criley JM, Thorne PR: An inexpensive 35 to 16-mm. reduction printer and animation device for cineradiographic films. *Amer Heart J* 68:51-4, Jul 64
- Crisp WE  
Zell JR, Crisp WE: A psychiatric evaluation of the use of oral contraceptives. A study of 250 private patients. *Obstet Gynec* 23:657-61, May 64
- Crissey JT  
Crissey JT, Gordy E, Ferguson JL, Lyman RB Jr: A new technic for the demonstration of skin temperature patterns. *J Invest Derm* 43:89-91, Aug 64
- Cristiani R  
Lepri G, Cristiani R: The ability of certain adrenocortical hormones to potentiate the vasoconstrictor action of nor-adrenaline on the conjunctival vessels in the rabbits and in man. *Brit J Ophthalmol* 48:205-8, Apr 64
- Crocio JA  
Crocio JA, Formato AA: Gross hematuria as a



# ABRIDGED INDEX MEDICUS

- presenting manifestation of Reiter's syndrome in a woman. *J Urol* 92:45-6, Jul 64
- Crockett DJ**  
Crockett DJ: Regional keloid susceptibility. *Brit J Plast Surg* 17:245-53, Jul 64
- Crombie AL**  
Crombie AL, Cullen JF: Hereditary glaucoma occurrence in five generations of an Edinburgh family. *Brit J Ophthalmol* 48:143-7, Mar 64
- Cromwell S**  
McFarlane AS, Todd D, Cromwell S: Fibrinogen catabolism in humans. *Clin Sci* 26:415-20, Jun 64
- Cronin TD**  
Cronin TD: Excellence in plastic surgery. *Plast Reconstr Surg* 34:123-5, Aug 64
- Cronk RV**  
Cronk RV, Gilliet FC, Hedinger CE: Horseshoe kidney and calcific stenosis of the underlying terminal aorta in a newborn infant: report of a case. *J Urol* 92:6-8, Jul 64
- Crooke AC**  
Crooke AC, Butt WR, Palmer RF, Morris R, Morgan DB: The effect of human gonadotrophins on a patient with Simmonds's disease. *Acta Endocr (Copenhagen)* 46:292-9, Jun 64
- Crooke AC**  
Crooke AC, Butt WR, Palmer RF, Bertrand PV, Carrington SP, Edwards RL, Anson CJ: Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64
- Crooke AC**  
Crooke AC: Pituitary gonadotrophin and dizygotic twinning. *Lancet* 2:695-6, 20 Sep 64
- Crosby EC**  
Schneider RC, Crosby EC: The interplay between cerebral hemispheres and cerebellum in relation to tone and movements. *J Neurosurg* 20:188-98, Mar 63
- Crosby WH**  
Weintraub LR, Conrad ME, Crosby WH: The significance of iron turnover in the control of iron absorption. *Blood* 24:19-24, Jul 64
- Crosby WH**  
Wheby MS, Jones LG, Crosby WH: Studies on iron absorption. Intestinal regulatory mechanisms. *J Clin Invest* 43:1433-42, Jul 64
- Cross KW**  
Dawes GS, Cross KW: Hyperbaric oxygen in resuscitation of the newborn. *Lancet* 2:910, 24 Oct 64
- Crow DG**  
McLaren GA, Asplund RO, Crow DG, Tsai LI, Porterfield ID: Influence of dried grass silage and silage fractions on the basal metabolic rate of rats. *J Nutr* 83:218-24, Jul 64
- Crowder JI**  
Crowder JI, Sexton RR: Keratoconjunctivitis resulting from the sap of candelabra cactus and the pencil tree. *Arch Ophthalmol (Chicago)* 72:476-84, Oct 64
- Crowley LG**  
Demetriou JA, Crowley LG, Kushinsky S, Donovan AJ, Kotin P, MacDonald I: Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. *Cancer Res* 24:926-34, Jun 64
- Crowne DP**  
Ambuel JP, Cebulla J, Watt N, Crowne DP: Urgency as a factor in clinic attendance. *Amer J Dis Child* 108:394-8, Oct 64
- Crudo FS Jr**  
Frasier SD, Crudo FS Jr, Farrell FJ Jr: Buccal smears in the newborn female. *J Pediatr* 65:222-5, Aug 64
- Crue BL Jr**  
Todd EM, Crue BL Jr: Burr-hole buttons for fixation of craniotomy bone. *J Neurosurg* 20:448-9, May 63
- Crue BL Jr**  
Alvarez-Carregal E, Crue BL Jr, Todd EM: Further observations of trigeminal antidromic potentials: possible physiological function of sensory antidromic potentials. *J Neurosurg* 20:277-88, Apr 63
- Crumpton CW**  
Afonso S, Rowe G, Castillo CA, Crumpton CW: Hemodynamic responses to induced tachycardia in methylene blue-treated dogs. *Amer J Physiol* 206:1279-80, Jun 64
- Crumpton CW**  
Rowe GG, Castillo CA, Afonso S, Meyer TC, Crumpton CW: Diagnostic cineangiocardiology. *Vasc Dis* 1:45-53, Jan 64
- Crutchfield WG**  
Chaddock WM, Crutchfield WG: Extracranial masses complicating the interpretation of echoencephalograms: a new technique for quantitative evaluation. *J Neurosurg* 21:699-703, Aug 64
- Cruz A**  
De la Cruz B, Peigan TP, Banzon TC, Sevilla J, Donato C, Cruz A, Castro V: A report on the labeling of *Schistosoma japonicum cercariae* with radioiron. *Amer J Trop Med* 13:545-7, Jul 64
- Cruz OR**  
Tenuto RA, Canelas HM, Cruz OR, Franca LC: Trigeminal neuralgia caused by cysticercosis of the cavum meckelii: report of two cases. *J Neurosurg* 20:169-71, Feb 63
- Csavossy I**  
Werner SC, Relland JY, Csavossy I, Tierney J: Studies with mouse pituitary thyrotropic tumors. 8. *Endocrinology* 75:66-77, Jul 64
- Cuarón A**  
Cuarón A, Fucugauchi ME: The binding of <sup>131</sup>I-triiodothyronine by serum proteins as an *in vitro* test of thyroid function. *Acta Endocr (Copenhagen)* 46:161-9, Jun 64
- Cuba Caparó A**  
Moore AE, Cuba Caparó A: Tumors occurring in newborn mice after inoculation of human cancer material. *Cancer Res* 24:765-9, Jun 64
- Cuddy RP**  
Smulyan H, Cuddy RP, Eich RH: Hemodynamic effects of pressor agents in septic and myocardial infarction shock. *JAMA* 190:188-94, 19 Sep 64
- Culbertson CG**  
Culbertson CG: Careers in pharmaceutical and toxicologic pathology. *Lab Invest* 13:658-62, Jun 64
- Cullen JF**  
Cullen JF, Butler HG: Mongolism (Down's syndrome) and keratoconus. *Brit J Ophthalmol* 47:321-30, Jun 63
- Cullen JF**  
Cullen JF: Blindness in mongolism (Down's syndrome). *Brit J Ophthalmol* 47:331-3, Jun 63
- Cullen JF**  
Cullen JF: Ocular defects in thalidomide babies. *Brit J Ophthalmol* 48:151-3, Mar 64
- Cullen JF**  
Crombie AL, Cullen JF: Hereditary glaucoma occurrence in five generations of an Edinburgh family. *Brit J Ophthalmol* 48:143-7, Mar 64
- Cullen KJ**  
Smith WG, Cullen KJ, Thorburn IO: Electrocardiograms of marathon runners in 1962 Commonwealth games. *Brit Heart J* 26:469-76, Jul 64
- Cullen KJ**  
Cullen KJ, Collin R: Daily running causing Wenckebach heart-block. *Lancet* 2:729-30, 3 Oct 64
- Cullen SC**  
Cullen SC: An account of the history of the journal *Anesthesiology*. *Anesthesiology* 25:416-27, Jul-Aug 64
- Cumming G**  
Cumming G, Dukes DC, Widdowson G: Alkaline diuresis in treatment of aspirin poisoning. *Brit Med J* 5416:1033-6, 24 Oct 64
- Cumming G**  
Gómez DM, Briscoe WA, Cumming G: Continuous distribution of specific tidal volume throughout the lung. *J Appl Physiol* 19:683-92, Jul 64
- Cumming GR**  
Danzinger RG, Cumming GR: Effects of chlorazepate on working capacity of normal subjects. *J Appl Physiol* 19:636-8, Jul 64
- Cummins CF**  
Cummins CF, Biggs WW, Whiting JC: The first half-million miles. *Med J Aust* 2:348-52, 29 Aug 64
- Cunanan O**  
Bernhard WF, Somers LA, Kriek H, Abe T, Cunanan O, McDonald S: Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. *Surg Forum* 15:197-8, 1964
- Cunningham C**  
Gilbert M, Rotstein J, Cunningham C, Estrin I, Davidson A: Norethynodrel with mestranol in treatment of rheumatoid arthritis. *JAMA* 190:235, 19 Sep 64
- Cunningham HM**  
Friend DW, Cunningham HM: Effects of feeding frequency on metabolism, rate and efficiency of gain and on carcass quality of pigs. *J Nutr* 83:251-6, Jul 64
- Cupp HB Jr**  
Tindall GT, Odom GL, Dillon ML, Cupp HB Jr, Mahaley MS Jr, Greenfield JC Jr: Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. *J Neurosurg* 20:985-94, Nov 63
- Curzen P**  
Curzen P: Variations in the enzyme histochemistry of the placenta. *J Obstet Gynaec Brit Comm* 71:388-99, Jun 64
- Cushing H**  
Wilkins RH, Horsley V, Cushing H: Neurosurgical classics—XXI. *J Neurosurg* 21:713-23, Aug 64
- Cushman WF**  
Cushman WF, DeMaio JT: Experience with local gastric cooling. *Arch Surg (Chicago)* 89:719-24, Oct 64
- Cuvier G**  
Cuvier G: Pathologie des chefs allemands à la bataille de la Marne. *Presse Med* 72:2119-20, 29 Aug 64 (Fr)
- Čzarnecki SW**  
Čzarnecki SW, Hopeman AR, Child PL: Tetralogy of Fallot with aortic origin of the left pulmonary artery: radiographic and angiographic considerations. Report of a case. *Dis Chest* 46:97-101, Jul 64
- Czukurász I**  
Czukurász I: Orbital stenosis as a rare complication of cataract surgery in a case of leontiasis ossea. *Brit J Ophthalmol* 47:173-6, Mar 63

## D

- Dachi SF**  
Rovin S, Dachi SF, Borenstein DB, Cotter WB: Mandibulofacial dysostosis, a familial study of five generations. *J Pediatr* 65:215-21, Aug 64
- Daggett WM**  
Daggett WM, Weisfeldt ML, Sarnoff SJ: Cardiac dynamics and contractility after acetylcholine in the closed chest dog. *Surg Forum* 15:251-3, 1964
- Dahl LK**  
Dahl LK, Heine M, Tassinari L: Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. *Circulation* 30:Suppl 2:11-22, Aug 64
- Dalby JE**  
Dalby JE: Treatment of post-cricoid carcinoma by combined intravaginal and external irradiation. *Clin Radiol* 15:251-5, Jul 64
- Dalby JE**  
Dalby JE: Treatment of post-cricoid carcinoma by combined intracavitary and external irradiation. *Clin Radiol* 15:251-5, Jul 64
- Dalgleish R**  
Dalgleish R: Incidence of idiopathic acquired obstructions in the lacrimal drainage apparatus. *Brit J Ophthalmol* 48:373-6, Jul 64
- Dalgleish R**  
Dalgleish R: An anterior approach for resection and advancement of the levator. *Brit J Ophthalmol* 47:138-43, Mar 63
- Dalgleish R**  
Dalgleish R: A dissector for ptosis surgery. *Brit J Ophthalmol* 48:56, Jan 64
- Dalgleish R**  
Dalgleish R, Naylor EJ: Bilateral eccentric fixation with no ocular deviation in a case of heredo-macular degeneration. *Brit J Ophthalmol* 47:11-3, Jan 63
- Dall JL**  
Dall JL: The effect of steroid therapy on normal and abnormal atrio-ventricular conduction. *Brit Heart J* 26:537-43, Jul 64
- Dallam D**  
Tomasi GE, Dallam D: The phosphorylation reaction that accompanies the nonenzymic oxidation of 2-methyl-1,4-naphthohydroquinone diphosphate. *J Biol Chem* 239:1604-13, May 64
- Dallas NL**  
Dallas NL: Chronic granuloma of the orbit caused by grease-gun injury. *Brit J Ophthalmol* 48:158-9, Mar 64
- Dalldorf FG**  
Dalldorf FG: Estrogenic hormones, urethral cornification, and arteriosclerotic vascular disease in men. *Amer J Clin Path* 42:64-8, Jul 64
- DaMassa AJ**  
Adler HE, DaMassa AJ: Enhancement of Mycoplasma agglutination titers by use of anti-globulin. *Proc Soc Exp Biol Med* 116:608-10, Jul 64
- Dameshek W**  
(Amano S), Watanabe S, Dameshek W: Professor Shigeyasu Amano, 1903-1964. *Blood* 24:93-5, Jul 64
- Dammkoehler R**  
Nelson JR, Dammkoehler R, Kawasaki M, Togawa K: Experimental observations of the relationships between upper airway obstruction and pulmonary function. *Ann Otol* 73:382-403, Jun 64
- Dancis J**  
Levitz M, Money WL, Katz J, Dancis J: Relative transfer and binding of estradiol-6,7-<sup>3</sup>H and estradiol-16-<sup>14</sup>C by the guinea pig placenta. *Endocrinology* 74:949-54, Jun 64
- (Dandy WE)**  
(Dandy WE), (Blackfan KD), Wilkins RH: Neurosurgical classic. XX. *J Neurosurg* 21:586-635, Jul 64
- Dane DS**  
Dane DS: The future of inactivated poliomyelitis vaccines. *Proc Roy Soc Med* 57:462-4, Jun 64
- Daniel MR**  
Heath JC, Daniel MR: The production of malignant tumours by nickel in the rat. *Brit J Cancer* 18:261-4, Jun 64
- Daniel PM**  
Adams JH, Daniel PM, Prichard MM: Distribution of hypophyseal portal blood in the anterior lobe of the pituitary gland. *Endocrinology* 75:120-6, Jul 64
- Daniels AK**  
Daniels AK, Daniels RR: The social function of the career fool. *Psychiatry* 27:219-29, Aug 64
- Daniels JB**  
Hayes RO, Daniels JB, Maxfield HK, Wheeler RE: Field and laboratory studies on eastern encephalitis in warm- and cold-blooded vertebrates. *Amer J Trop Med* 13:595-606, Jul 64
- Daniels RR**  
Daniels AK, Daniels RR: The social function of the career fool. *Psychiatry* 27:219-29, Aug 64
- Danzinger RG**  
Danzinger RG, Cumming GR: Effects of chlorazepate on working capacity of normal subjects. *J Appl Physiol* 19:636-8, Jul 64
- Dappen U**  
Dappen U, Hoigné R: Tierexperimentelle Untersuchungen zur Frage der Arphenamin-Thrombopele. *Int Arch Allerg* 24:Suppl 9-12, 1964 (Ger)
- Darby TD**  
Darby TD, Watts DT: Acidosis and blood epinephrine levels in hemorrhagic hypotension. *Amer J Physiol* 206:1281-4, Jun 64
- Darmady EM**  
Darmady EM, Offer JM, Stranack F: Study of renal vessels by microdissection in human transplantation. *Brit Med J* 5415:976-8, 17 Oct 64
- Darmody WR**  
Scratch GP, Thomas LM, Darmody WR: Cinephotomicrographic studies of the pial vasculature in the monkey and cat. *Surg Forum* 15:409-10, 1964
- Darrow CW**  
Darrow CW, Smith HF: An instrument for automatic scoring of EEG phase relationships. *Electroenceph Clin Neurophysiol* 16:614-6, Jun 64
- Das C**  
Dasgupta PR, Kar AB, Das C: Metabolism of rat pituitary gonadotrophin. *Proc Soc Exp Biol Med* 116:253-5, Jun 64
- Dasgupta PR**  
Dasgupta PR, Kar AB, Das C: Metabolism of rat pituitary gonadotrophin. *Proc Soc Exp Biol Med* 116:253-5, Jun 64
- Dasler W**  
Dasler W, Milliser RV, Stoner RE: Accumulation of iron in subcutaneous sponge implants in normal and lathyrus rats. *Metabolism* 13:579-82, Jun 64
- Datta DV**  
Condon RE, Tolia B, Datta DV: Importance of liver in release and degradation of lipoprotein lipase. *Surg Forum* 15:92-3, 1964
- Datta JK**  
Kar AB, Kamboj VP, Datta JK: Prevention of delayed implantation in rats by means of an intrauterine foreign body. *J Reprod Fertil* 8:139-40, Aug 64
- Dattoli JA**  
Lieben J, Dattoli JA, Israel HL: Probable berylliosis from beryllium alloys. *Arch Environ Health (Chicago)* 9:473-7, Oct 64
- Daub WW**  
George WD, Daub WW: Combined intra- and extrauterine pregnancy. Report of a case. *Obstet Gynec* 23:778-9, May 64



# ABRIDGED INDEX MEDICUS

- Davachi A**  
Thomas J, Sinclair-Smith B, Bloomfield D, Davachi A: Non-surgical retrieval of a broken segment of steel spring guide from the right atrium and inferior vena cava. *Circulation* 30:106-8, Jul 64
- Davies ML**  
Nite CM Jr, Daves ML, Wood GH: Changes in bone associated with cyanotic congenital cardiac disease. *Amer Heart J* 68:25-31, Jul 64
- Davey LM**  
Ayres CM, Davey LM, German WJ: Cerebral hydatidosis. Clinical case report with a review of pathogenesis. *J Neurosurg* 20:371-7, May 63
- David M**  
Bernard-Weil E, David M: Preoperative hormonal treatment in cases of cerebral tumor. *J Neurosurg* 20:841-8, Oct 63
- David P**  
Gilbert G, Aerichidé N, Lapointe L, David P: Congenital mitral insufficiency associated with a ventricular septal defect. *Amer Heart J* 68:107-10, Jul 64
- Davidoff LM**  
Scheinberg LC, Suzuki K, Edelman F, Davidoff LM: Studies in immunization against a transplantable cerebral mouse glioma. *J Neurosurg* 20:312-7, Apr 63
- Davidoff RA**  
Johnson LC, Davidoff RA: Autonomic changes during paroxysmal EEG activity. *Electroenceph Clin Neurophysiol* 17:25-35, Jul 64
- Davidson A**  
Gilbert M, Rotstein J, Cunningham C, Estrin I, Davidson A: Norethynodrel with mestranol in treatment of rheumatoid arthritis. *JAMA* 190:235, 10 Sep 64
- Davidson DT Jr**  
Stambaugh R, Davidson DT Jr: Evaluation of the amino acid excretion pattern of mental retardates as a screening technique for inborn errors of metabolism. *J Pediatr* 65:301-3, Aug 64
- Davidson EA**  
Smith RB 3d, Vorhees AB, Davidson EA, Barker HG: Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. *Surg Forum* 15:98-9, 1964
- Davidson KC**  
Davidson KC, Youngstrom KA: The Odelca one hundred millimeter camera and rapid film-changer: its application to angiography. *Radiology* 83:80-5, Jul 64
- Davidson WD**  
Thompson JC, Davidson WD, Miller JH: Fractional isolation of the antral chalone from crude gastrin. *Surg Forum* 15:317-9, 1964
- Davie JC**  
Davie JC: Paraplegia from compression caused by sacular aortic aneurysm with recovery. *J Neurosurg* 20:1005-8, Nov 63
- Davie JC**  
Davie JC: Electrocardiographic alterations observed during fractional pneumoencephalography. *J Neurosurg* 20:321-8, Apr 63
- Davie JC**  
Davie JC: Electrocardiographic observation simultaneously with stimulation of thalamus and globus pallidus and thalamic coagulation. (Is there a neurocardiac relationship to the thalamus and globus pallidus?). *J Neurosurg* 20:387-9, May 63
- Davies AM**  
Davies AM, Laufer A, Gery I, Rosenmann E: Organ specificity of the heart. 3. Circulating antibodies and immunopathological lesions in experimental animals. *Arch Path (Chicago)* 78:389-76, Oct 64
- Davies DL**  
Brown JJ, Davies DL, Lever AF, Robertson JJ: Variations in plasma renin during the menstrual cycle. *Brit Med J* 5417:1114-5, 31 Oct 64
- Davies DL**  
Brown JJ, Davies DL, Lever AF, Lloyd AM, Robertson JJ, Tree M: A renin-like enzyme in normal human urine. *Lancet* 2:709-11, 3 Oct 64
- Davies JM**  
Whitehead RW, Davies JM: A study of methylphenidate and diazepam as possible smoking deterrents. *Curr Ther Res* 6:363-7, May 64
- Davies JS**  
Davies JS, Widdowson EM, McCann RA: The intake of milk and the retention of its constituents while the newborn rabbit doubles its weight. *Brit J Nutr* 18:385-92, 1964
- Davies JW**  
Davies JW: Blood volume changes in patients with burns treated with either colloid or saline solutions. *Clin Sci* 26:429-43, Jun 64
- Davies RM**  
Eckenhoff JE, Compton JR, Larson A, Davies RM: Assessment of cerebral effects of deliberate hypotension by psychological measurements. *Lancet* 2:711-4, 3 Oct 64
- Davies SH**  
Williams AW, Mackenzie GJ, Davies SH, Wade JD: The healing of right ventricular incisions. *J Path Bact* 88:197-201, Jul 64
- Davis BR**  
Davis BR, Ewing WH: Lipolytic, pectolytic, and alginate activities of *Enterobacteriaceae*. *J Bact* 88:16-9, Jul 64
- Davis CH Jr**  
De La Torre E, Alexander E Jr, Davis CH Jr, Crandell DL: Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. *J Neurosurg* 20:461-70, Jun 63
- Davis CH Jr**  
Alexander E Jr, Adams JE, Davis CH Jr: Complications in the use of temporary intracranial arterial clip. *J Neurosurg* 20:810-1, Sep 63
- Davis CP**  
Levy LJ, Lipscomb CP, McDonald HC Jr, Davis CP: Fusions of the lumbar spine: comparative results. *Southern Med J* 57:1326-32, Nov 64
- Davis DM**  
Zimskind PD, Fetter TR, Davis DM, Friedman MH, Dwoskin JY: Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs. *Surg Forum* 15:498-7, 1964
- Davis H**  
Hansen AE, Wiese HF, Adam DJ, Boelsche AN, Haggard ME, Davis H, Newsom WT, Pesut L: Influence of diet on blood serum lipids in pregnant women and newborn infants. *Amer J Clin Nutr* 15:11-9, Jul 64
- Davis JC**  
Davis JC: The effect of cortisol on mitosis in the skin of the mouse. *J Path Bact* 88:247-54, Jul 64
- Davis JE**  
Spinelli AN, Keshin JG, Davis JE: A new medication for relief of urinary symptoms: a preliminary report. *J Amer Geriatr Soc* 12:771-5, Aug 64
- Davis JH**  
Klein L, Davis JH: Correlation of urinary hydroxyproline to severity of burn. *Surg Forum* 15:465-7, 1964
- Davis JH**  
Krizek TJ, Davis JH: Effect of diabetes on experimental infection. *Surg Forum* 15:60-1, 1964
- Davis JO**  
Davis JO: Two important frontiers in renal physiology. *Circulation* 30:1-6, Jul 64
- Davis JO**  
Urquhart J, Davis JO, Higgins JT Jr: Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. *J Clin Invest* 43:1355-66, Jul 64
- Davis JR**  
Davis JR, Morris RN, Hollinger MA: Incorporation of L-lysine-U-<sup>14</sup>C into proteins of cryptorchid testis slices. *Amer J Physiol* 207:50-4, Jul 64
- Davis RA**  
Davis RA, Brooks FP: Gastric secretory response to insulin hypoglycemia. *Surg Forum* 15:312-3, 1964
- Davis RE**  
Davis RE, Nicol DJ: A new system for rapid haemoglobin estimations and leucocyte counts. *J Clin Path* 17:467-8, Jul 64
- Davis RE**  
Martin JD, Davis RE: Serum folic acid activity and vaginal bleeding in early pregnancy. *J Obstet Gynaec Brit Comm* 71:400-3, Jun 64
- Davis S 2d**  
Dicke RF, Davis S 2d: Lipoid proteinosis (Urbach-Wiethe): report of a case and review. *Ann Otol* 73:287-96, Jun 64
- Dawes GS**  
Dawes GS, Cross KW: Hyperbaric oxygen in resuscitation of the newborn. *Lancet* 2:910, 24 Oct 64
- Dawes MJ**  
Rosenberg IN, Athans JC, Dawes MJ: Effect of methimazole upon thyroid clearance of circulating iodide. *Endocrinology* 75:89-96, Jul 64
- Dawson DM**  
Dawson DM, Romanul FC: Enzymes in muscles. II. Histochemical and quantitative studies. *Arch Neurol (Chicago)* 11:369-78, Oct 64
- Dawson JB**  
Dawson JB: New Way to syringe care. *Brit Med J* 5415:1010, 17 Oct 64
- Dearman JR**  
Minton JP, Ketcham AS, Dearman JR: Tumoricidal factor in laser radiation. *Surg Forum* 15:335-6, 1964
- De Baibian Verster F**  
Querrero-Figueroa R, De Baibian Verster F, Barros A, Heath RG: Cholinergic mechanism in subcortical mirror focus and effects of topical application of gamma-aminobutyric acid and acetylcholine. *Epilepsia (Amst)* 5:140-55, Jun 64
- DeBellis RH**  
DeBellis RH, Gluck N, Marks PA: Synthesis of ribonucleic acid in rabbit blood cells in vivo. *J Clin Invest* 43:1329-37, Jul 64
- De Bono AH**  
De Bono AH: Pulmonary hypertension following angiocardiology with sodium metrizoate. *Lancet* 2:860-1, 17 Oct 64
- DeBrisay AN**  
DeBrisay AN, Stuart CK: Restoration of communication in the elderly, with special reference to hemiplegic patients: interim report on program. *J Amer Geriatr Soc* 12:687-93, Jul 64
- DeCaro BM**  
Cardinali G, Cardinali G, DeCaro BM, Handler AH, Aboul-Enen M: Effect of high doses of cortisone on bone marrow cell proliferation in the Syrian hamster. *Cancer Res* 24:969-72, Jul 64
- Decker WM**  
Osheroff BJ, Slocum GG, Decker WM: Status of botulism in the United States. *Public Health Rep* 79:871-8, Oct 64
- DeCosse JJ**  
DeCosse JJ, Rogers LS: Effect of hyperbaric oxygen and cancer chemotherapy on growth of animal tumors. *Surg Forum* 15:203-5, 1964
- DeFalco AT**  
Mundth ED, DeFalco AT, Jacobson YG, Brettschneider L, McClenathan JE: Importance of preventing renal vascular collapse during period of renal ischemia in kidney transplantation. *Surg Forum* 15:219-21, 1964
- DeGeorges M**  
Soulié P, Dubost C, Acar J, Degeorges M, Foucault JP: Les insuffisances aortiques à symptomatologie angineuse. Leur traitement chirurgical. (A propos de cinq observations) *Presse Med* 72:2307-12, 26 Sep 64 (Fr)
- DeGraff AC**  
DeGraff AC, Lyon AF: Diuretic therapy. II. Pharmacology of mercurial diuretics. *Amer Heart J* 68:131-3, Jul 64
- DeGras JA**  
DeGras JA, Rich C: Studies of intestinal absorption of calcium-<sup>45</sup> in man. *Metabolism* 13:650-60, Jul 64
- Deibel RH**  
Jacobs NJ, Heady RE, Jacobs JM, Chan K, Deibel RH: Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. *J Bact* 87:1406-11, Jun 64
- Deibel RH**  
Deibel RH, Niven CF Jr: Pyruvate fermentation by *Streptococcus faecalis*. *J Bact* 88:4-10, Jul 64
- Deibel RH**  
Jacobs NJ, Heady RE, Jacobs JM, Chan K, Deibel RH: Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. *J Bact* 87:1406-11, Jun 64
- Deibel RH**  
Deibel RH, Niven CF Jr: Pyruvate fermentation by *Streptococcus faecalis*. *J Bact* 88:4-10, Jul 64
- Deig EF**  
Deig EF, Watkins HM: Plaque assay procedure for Colorado tick fever virus. *J Bact* 88:43-7, Jul 64
- Dekker EE**  
Maitra U, Dekker EE: Purification and properties of rat liver 2-keto-4-hydroxyglutarate aldolase. *J Biol Chem* 239:1485-91, May 64
- De Kleine EH**  
De Kleine EH: Relative value fee schedules. *Plast Reconstr Surg* 34:202-4, Aug 64
- De Kornfeld TJ**  
Lasagna L, De Kornfeld TJ, Pearson JW: The analgesic efficacy and respiratory effects in man of a benzomorphan "narcotic antagonist". *J Pharmacol Exp Ther* 144:12-6, Apr 64
- De La Cruz B**  
De La Cruz B, Pessigan TP, Banzon TC, Sevilla J, Donato C, Cruz A, Castro V: A report on the labeling of *Schistosoma japonicum cercariae* with radioiron. *Amer J Trop Med* 13:545-7, Jul 64
- De Lamiande G**  
De Lamiande G: Protein-bound dye and purine-catabolizing enzymes in parenchymal and nonparenchymal cells of rats fed 4-dimethylaminoazobenzene. *Cancer Res* 24:742-50, May 64
- De Laquerriere L**  
Smith DW, Fregan GB, De Laquerriere L, Valdivia E: Induction of acquired resistance in guinea pigs with defatted *Mycobacterium tuberculosis* vaccines. *J Bact* 88:87-92, Jul 64
- De La Torre E**  
De La Torre E, Alexander E Jr, Davis CH Jr, Crandell DL: Tumors of the lateral ventricles of the brain. Report of eight cases, with suggestions for clinical management. *J Neurosurg* 20:461-70, Jun 63
- Delbarre F**  
Delbarre F, Kahan A, Amor B, Krassinine G: Le ragoctye synovial. Son intérêt pour le diagnostic des maladies rhumatismales. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)
- Delea CS**  
Gann DS, Delea CS, Gill JR Jr, Thomas JP, Bartter FC: Control of aldosterone secretion by change of body potassium in normal man. *Amer J Physiol* 207:104-8, Jul 64
- Delgado E**  
Archer FL, Gago O, Delgado E, Kolb LW, Adams WE: Histologic pattern in the auto- and homotransplanted dog lung. *Surg Forum* 15:154-6, 1964
- Del Guercio LR**  
Coomaraswamy RP, Del Guercio LR, Feins NR: Hemodynamic effects of pitressin infusion during gastroesophageal hemorrhage. *Surg Forum* 15:116-8, 1964
- Del Guercio LR**  
Del Guercio LR, Coomaraswamy RP, Feins NR, State D: Bedside hemodynamic diagnosis of acute pulmonary embolism. *Surg Forum* 15:192-4, 1964
- Delin NA**  
Hoyt RK, Domanig E, Hahnloser P, Delin NA, Schenk WG Jr: Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextran, or shed blood. *Surg Forum* 15:34-5, 1964
- Dellacha JM**  
Dellacha JM, Sonenberg M: Purification of bovine growth hormone. *J Biol Chem* 239:1515-20, May 64
- Dellipiani AW**  
Dellipiani AW, Girdwood RH: Bacterial changes in the small intestine in malabsorptive states and in pernicious anaemia. *Clin Sci* 26:359-74, Jun 64
- Delmonte L**  
Delmonte L, Aschkenasy A, Eyquem A: Studies on the hemolytic nature of protein-deficiency anemia in the rat. *Blood* 24:49-68, Jul 64
- Delorme P**  
Richter M, Delorme P, Rose B: The reagin-allergen reaction in the skin without concomitant wheal and flare. *J Allerg* 35:356-60, Jul-Aug 64
- Delorme TL**  
Delorme TL, Shaw RS, Austen WG: Musculo-skeletal functions in the amputated perfused human being limb. *Surg Forum* 15:450-2, 1964
- Delwiche EA**  
Youstan AA, Delwiche EA: Succinic acid degradation by *Veillonella alcalescens*. *J Bact* 87:1527-3, Jun 64
- DeMaio JT**  
Cushman WF, DeMaio JT: Experience with local gastric cooling. *Arch Surg (Chicago)* 89:719-24, Oct 64
- Demetriou JA**  
Demetriou JA, Crowley LG, Kushinsky S, Donovan AJ, Kotin P, MacDonald I: Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. *Cancer Res* 24:926-34, Jun 64
- Dempsey ME**  
Dempsey ME, Seaton JD, Schroepfer GJ Jr, Trockman RW: The intermediary role of delta-5,7-cholestadien-3-beta-ol in cholesterol biosynthesis. *J Biol Chem* 239:1381-7, May 64
- Dempster WJ**  
Dempster WJ, Harrison CV, Shackman R: Rejection processes in human homotransplanted kidneys. *Brit Med J* 5415:969-78, 17 Oct 64



# ABRIDGED INDEX MEDICUS

- De Muelenaere HJ**  
**Quicke GV, Von Fintel RG, De Muelenaere HJ:** The effect of soil fertilization practices on the total protein and zeln content of maize. *S Afr Med J* 38:645-8, 22 Aug 64
- Denlinger HJ**  
**Herberg D, Geisler L, Denlinger HJ, Wagner F:** Spastische Emphysebronchitis und chronisches Cor pulmonale. *Deutsch Med Wschr* 89:1782-6, 18 Sep 64 (Ger)
- Denis LJ**  
**Prout GR Jr, Macalalag EV Jr, Denis LJ:** Alterations in serum lactic dehydrogenase and its isozymes in patients with prostatic carcinoma after hormonal therapy. *Surg Forum* 15:486-8, 1964
- Dennerll RD**  
**Dennerll RD:** Cognitive deficits and lateral brain dysfunction in temporal lobe epilepsy. *Epilepsia (Amst)* 5:177-91, Jun 64
- Denning CR**  
**Wotman S, Mandel ID, Khotim S, Thompson RH JR, Kutscher AH, Zegarelli EV, Denning CR:** Salt taste thresholds and cystic fibrosis. *Amer J Dis Child* 108:372-4, Oct 64
- Denning CR**  
**Pittman FE, Denning CR, Barker HG:** Albumin metabolism in cystic fibrosis. *Amer J Dis Child* 108:360-5, Oct 64
- Dennis C**  
**Chiu CJ, Shaftan GW, Dennis C:** Hypotension: determinant in spontaneous control of arterial hemorrhage. *Surg Forum* 15:3-4, 1964
- Dennis DL**  
**Dennis DL, Peterson CG:** Candida albicans shock. *Surg Forum* 15:36-7, 1964
- Dennis DL**  
**Fletcher WS, Dennis DL:** Mechanism and site of action of radioactive phosphorus labeled stilbestrol on experimental hormone sensitive breast cancer. *Surg Forum* 15:358-60, 1964
- Denny-Brown D**  
**(Ayer JB), Denny-Brown D, Viets H, Adams R, Schwab R, Kubik C, Smith R:** James Bourne Ayer, MD 1882-1963. *Arch Neurol (Chicago)* 11:449-51, Oct 64
- De Ome KB**  
**Weiss DW, Faulkin LJ Jr, De Ome KB:** Acquisition of heightened resistance and susceptibility to spontaneous mouse mammary carcinomas in the original host. *Cancer Res* 24:732-41, May 64
- Derbes VJ**  
**Fulton JE Jr, Derbes VJ:** Basophil leukocyte infiltration in the positive tuberculin skin test in man. *J Invest Derm* 43:125-8, Aug 64
- Derom R**  
**Derom R:** Foetal acidosis. *Lancet* 2:757, 3 Oct 64
- Derot M**  
**Frezal J, Alagille D, Derot M, Hamburger J, Netter A, Royer P, Péquignot H:** Comment reconnaître et traiter une glycogénose hépatique. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)
- Derot M**  
**Rambert P, Alagille D, Derot M, Hamburger J, Royer P, Péquignot H:** Problèmes thérapeutiques posés par les diabètes instables. *Presse Med* 72:2229-31, 19 Sep 64 (Fr)
- Derrick JR**  
**Rea VE, Kirksey TD, Derrick JR, Artz CP:** A comparison of the physiologic effects of angiotensin with other vasoconstrictors. *Surg Forum* 15:17-8, 1964
- Desai HG**  
**Jeejeebhoy KN, Desai HG, Verghese RV:** Milk intolerance in tropical malabsorption syndrome. Role of lactose malabsorption. *Lancet* 2:666-8, 20 Sep 64
- Desai HG**  
**Desai HG:** Disaccharide intolerance and mucoviscidosis. *Lancet* 2:645-6, 19 Sep 64
- Desai ID**  
**Calvert CC, Desai ID, Scott ML:** Effect of linoleic acid on nutritional muscular dystrophy in the chick. *J Nutr* 83:307-13, Aug 64
- DeSaussure RL Jr**  
**Feild JR, Higley GB Sr, DeSaussure RL Jr:** Ochronosis with ruptured lumbar disc: case report. *J Neurosurg* 20:348-51, Apr 63
- Descaries L**  
**Appenzeller O, Descaries L:** Circulatory reflexes in patients with cerebrovascular disease. *New Eng J Med* 271:820-3, 15 Oct 64
- Desclin L**  
**Flament-Durand J, Desclin L:** Observations concerning the hypothalamic control of pituitary luteotrophin secretion in the rat. *Endocrinology* 75:22-6, Jul 64
- Descotes J**  
**Wertheimer P, Froment R, Descotes J, Site J, Weber B:** Exiguïté artérielle constitutionnelle: facteur probable de thrombo-artériose du type Buerger. *Presse Med* 72:2259-64, 23 Sep 64 (Fr)
- Deshpande N**  
**Bulbrook RD, Deshpande N, Ellis FG, Hayward JL, Parker J, Thomas BS, Waag DY:** Androgens in human breast cancer. *Proc Roy Soc Med* 57:523-5, Jun 64
- Desiderio MA**  
**Spar IL, Goodland RL, Desiderio MA:** Immunological removal of circulating I-131-labeled rabbit antibody to rat fibrinogen in normal and tumor-bearing rats. *J Nucl Med* 5:428-43, Jun 64
- Despeignes J**  
**Garin JP, Despeignes J:** Une méthode sérologique de diagnostic de la toxoplasmosé: l'agglutination des particules de bentonite sensibilisées. *Presse Med* 72:2317-20, 26 Sep 64 (Fr)
- Despopoulos A**  
**Despopoulos A, Segerfeldt A:** Efflux of organic acids from rabbit kidney cortex. *Amer J Physiol* 207:118-22, Jul 64
- Desrosiers JA**  
**Desrosiers JA, Faucher GL:** Uterosacral block: a new diagnostic procedure. *Obstet Gynec* 23:671-7, May 64
- Detmer RA**  
**Detmer RA, Raush J, Fletcher E, Gordon AS:** Ideal wave form and characteristics for direct current defibrillators. *Surg Forum* 15:249-51, 1964
- Detweiler DK**  
**Detweiler DK:** Genetic aspects of cardiovascular diseases in animals. *Circulation* 30:114-27, Jul 64
- Deutsch E**  
**Deutsch E:** Cumulative effects of oxygen lack on the electrical phenomena of the cochlea. *Ann Otol* 73:346-57, Jun 64
- De Veber LL**  
**De Veber LL, Valentine GH:** Nitrofurantoin and megaloblastic anaemia. *Lancet* 2:697-8, 20 Sep 64
- Devine R**  
**Devine R, Newton KJ, Spear FG:** Pain following E.C.T. modified by muscle relaxants. *Brit Med J* 5416:1046-8, 24 Oct 64
- De Vries A**  
**Frank M, Atsmon A, De Vries A, Lazebnik J:** Hyperparathyroidism and uric acid lithiasis: a report of two cases. *Brit J Urol* 36:184-6, Jun 64
- De Vries A**  
**Barzel US, Sperling O, Frank M, De Vries A:** Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. *J Urol* 92:1-5, Jul 64
- Dewar WA**  
**Dewar WA:** Eczema vaccinatum. *Brit Med J* 5416:1071, 24 Oct 64
- DeWeerd JB**  
**Kent JF, DeWeerd JB, Lawson WB, Kinch WH:** Course of the serologic reactions in rabbits inoculated with different numbers of Treponema pallidum. *Amer J Clin Path* 42:33-6, Jul 64
- De Weese MS**  
**Harrison TS, Turcotte J, Fry WJ, De Weese MS:** Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. *New Eng J Med* 271:985-9, 5 Nov 64
- Dewhurst K**  
**(Willis T), Dewhurst K:** Commemoration of the septi-centenary of Merton College, Oxford. Willis in Oxford: some new MSS. *Proc Roy Soc Med* 57:682-7, Aug 64
- De Wied D**  
**De Wied D:** Influence of anterior pituitary on avoidance learning and escape behavior. *Amer J Physiol* 207:255-9, Jul 64
- De Witt CW**  
**Abbott CP, Lindsey ES, Creech O Jr, De Witt CW:** A technique for heart transplantation in the rat. *Arch Surg (Chicago)* 89:645-52, Oct 64
- DeWitt CW**  
**Abbott CP, Creech O Jr, DeWitt CW:** Histologic and electrocardiographic changes of the transplanted rat heart. *Surg Forum* 15:253-5, 1964
- DeWitt RJ**  
**DeWitt RJ, Stahl WM:** Lymphatic flora in third degree burns. *Surg Forum* 15:41-3, 1964
- Deykin D**  
**Goodman DS, Deykin D, Shiratori T:** The formation of cholesterol esters with rat liver enzymes. *J Biol Chem* 239:1335-45, May 64
- Deyrieux F**  
**Tourniaire A, Blum J, Tartulier M, Deyrieux F:** Coeur pulmonaire chronique scléromique. *Presse Med* 72:2269-72, 23 Sep 64 (Fr)
- Deyrup LJ**  
**Deyrup LJ:** Effect on kidney S3504 uptake of compounds related to SO4 transport and metabolism. *Amer J Physiol* 207:84-8, Jul 64
- Dhar AK**  
**Dhar AK:** Spontaneous biliary peritonitis. *Brit Med J* 5418:1198, 7 Nov 64
- Diamond EL**  
**Monis B, Goldberg JD, Diamond EL:** Alpha- and beta-d galactosidase activity of rat thyroid and spleen. A quantitative study. *Proc Soc Exp Biol Med* 116:580-2, Jul 64
- Diamond LK**  
**Kevy SV, Glickman RM, Bernhard WF, Gross RE, Diamond LK:** Quantitative assay of the fibrinolytic system in open heart surgery. *Surg Forum* 15:282-3, 1964
- Dickey RF**  
**Dickey RF, Davis S 2d:** Lipoid proteinosis (Urbach-Wiethe), report of a case and review. *Ann Otol* 73:287-96, Jun 64
- Dickinson SJ**  
**Dickinson SJ:** Origin of intestinal atresia of newborn. *JAMA* 190:119-21, 12 Oct 64
- Dienes L**  
**Dienes L, Bandur BM, Madoff S:** Development of L-type growth in Neisseria gonorrhoeae cultures. *J Bact* 87:1471-6, Jun 64
- Dietrich LS**  
**Dietrich LS, Fuller L:** Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. *J Biol Chem* 239:1653-5, May 64
- DiGiorgi S**  
**Gensini GG, DiGiorgi S, Serra C, Coskun O, Black A:** Coronary angiography. *Vasc Dis* 1:34-44, Jan 64
- DiGiulino W**  
**DiGiulino W, Beierwaltes WH:** Parathyroid scanning with selenium-75 labelled methionine. *J Nucl Med* 5:417-27, Jun 64
- Dijkstra J**  
**Hawtrey AO, Schoeman CA, Dijkstra J, Schirren V, Nourse L:** The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. *Brit J Cancer* 18:299-308, Jun 64
- Dill FJ**  
**Robinson GC, Miller JR, Dill FJ, Kamburoff TD:** Klinefelter's syndrome with the XYY sex chromosome complex. With particular reference to prepubertal diagnosis. *J Pediat* 65:226-32, Aug 64
- Dillane JB**  
**Fry J, Dillane JB:** Too much work? Proposals based on a review of fifteen years' work in practice. *Lancet* 2:632-4, 19 Sep 64
- Dillard DH**  
**Hessel EA 2d, Anderson HN, Matano I, Dillard DH, Merendino KA:** Evaluation of prosthetic heart valves in the calf. *Surg Forum* 15:257-9, 1964
- Diller DA**  
**Diller DA, Brownson RH, Suter DB:** X-irradiation induced acute brain damage as a function of age. *J Neuropath Exp Neurol* 23:446-56, Jul 64
- Dillon ML**  
**Tindall GT, Odom GL, Dillon ML, Cupp HB Jr, Mahaley MS Jr, Greenfield JC Jr:** Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. *J Neurosurg* 20:985-94, Nov 63
- Dimick MK**  
**Koike TI, Nalbandov AV, Dimick MK, Matsumura Y, Lepkovsky S:** Action of insulin upon blood glucose levels of fasted hypophysectomized, depancreatized and normal chickens. *Endocrinology* 74:944-8, Jun 64
- Dimopoulos GT**  
**Rogers TE, Hidalgo RJ, Dimopoulos GT:** Immunology and serology of Anaplasma marginale. I. Fractionation of the complement-fixing antigen. *J Bact* 88:81-6, Jul 64
- Dingman JF**  
**Dingman JF, Hauger-Klevene JH:** Treatment of diabetes insipidus: synthetic lysine vasopressin nasal solution. *J Clin Endocr* 24:550-3, Jun 64
- Di Noto V**  
**Balsano F, Pitucco G, Musca A, Di Noto V:** New interpretation of oral glucose tolerance. *Lancet* 2:865, 17 Oct 64
- Dintenfass L**  
**Dintenfass L:** Rheologic approach to thrombosis and atherosclerosis. *Angiology* 15:333-43, Aug 64
- Dion FR**  
**Mattox VR, Hayles AB, Salassa RM, Dion FR:** Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. *J Clin Endocr* 24:517-27, Jun 64
- Ditto WR**  
**Ditto WR, Ognibene AJ:** Idiopathic pulmonary hemosiderosis without anemia. Report of two cases. *Arch Intern Med (Chicago)* 114:490-3, Oct 64
- Divertie MB**  
**Shorter RG, Titus JL, Divertie MB:** Cell turnover in the respiratory tract. *Dis Chest* 46:138-42, Aug 64
- DiVincenti FC**  
**DiVincenti FC, Heneghan JB, Cohn I Jr:** Tumor growth in germfree and monocontaminated animals. *Surg Forum* 15:350-2, 1964
- Dixon FJ**  
**Dixon FJ:** Immunology is pathology. *Lab Invest* 13:610-2, Jun 64
- Dixon FJ**  
**Madden SC, Moritz A, Dixon FJ, Bennett IL:** Panel discussion. The need for staff and facilities to develop the research potential in pathology. *Lab Invest* 13:683-93, Jun 64
- Djojoseobagio S**  
**Djojoseobagio S, Turner CW:** Effects of parathyroid extract, calciferol, hytakerol and crystalline dihydroxycholesterol on feed consumption in normal lactating rats. *Proc Soc Exp Biol Med* 116:646-8, Jul 64
- Dmochowski L**  
**Dmochowski L, Padgett F, Gross L:** An electron microscope study of rat leukemia induced with mouse leukemia virus (Gross). *Cancer Res* 24:869-99, Jun 64
- Dmochowski L**  
**Dmochowski L:** Viruses and cancer in animals and man. *Southern Med J* 57:1267-72, Nov 64
- Dobbin G**  
**Mullan S, Harper PV, Hekmatpanah J, Torres H, Dobbin G:** Percutaneous interruption of spinal-pain tracts by means of a strontium90 needle. *J Neurosurg* 20:931-9, Nov 63
- Dobree JH**  
**Dobree JH:** "Bird-beak" ophthalmic forceps. *Brit J Ophthalmol* 48:53, Jan 64
- Dodd BE**  
**Dodd BE, Wilkinson PC:** A study of the distribution of incomplete rhesus antibodies among the serum immunoglobulin fractions. *J Exp Med* 120:45-55, 1 Jul 64
- Dodd H**  
**Dodd H:** The cause, prevention, and arrest of varicose veins. *Lancet* 2:809-11, 10 Oct 64
- Dodge OG**  
**Dodge OG:** Mycobacterial skin ulcers in Uganda: histopathological and experimental aspects. *J Path Bact* 88:169-74, Jul 64
- Dodge OG**  
**Dodge OG, McKinney B:** Causes of perinatal death in Uganda Africans, with special reference to congenital malformations. *J Pediat* 65:267-9, Aug 64
- Doeff JW**  
**Doeff JW, Pendleton JL:** Wernicke's syndrome treated with parenteral and oral chlordiazepoxide. *Amer J Psychiat* 121:183, Aug 64
- Doganes PT**  
**Doganes PT, Schubert M:** The use of lanthanum to study the degradation of a proteinopolysaccharide from cartilage. *J Biol Chem* 239:1498-503, May 64
- Doherty P**  
**Doherty P:** Acute renal changes after oral cholecystography. *Lancet* 2:816, 10 Oct 64
- Dollery CT**  
**Scott DJ, Dollery CT, Hill DW, Hodge JV, Fraser R:** Fluorescein studies of the retinal circulation in diabetics. *Brit J Ophthalmol* 47:588-9, Oct 63
- Dollery CT**  
**West JB, Dollery CT, Naimark A:** Distribution of blood flow in isolated lung; relation to vascular and alveolar pressures. *J Appl Physiol* 19:713-24, Jul 64
- Dollery CT**  
**Hill DW, Dollery CT, Hodge JV, Scott DJ:** Current developments in ophthalmology. Fluorescein studies



# ABRIDGED INDEX MEDICUS

- of the choroidal circulation.  
Proc Roy Soc Med 57:500-2, Jun 64
- Dolman CE**  
Gerwing J, Dolman CE, Reichmann ME, Bains HS: Purification and molecular weight determination of Clostridium botulinum type E toxin.  
J Bact 88:216-9, Jul 64
- Dolowy WC**  
Dolowy WC, Muldoon RL: Studies of germfree animals. I. Response of mice to infection with influenza A virus.  
Proc Soc Exp Biol Med 116:365-71, Jun 64
- (Domagk G)**  
(Domagk G), Ravina A, Pestel M: Gerhardt Domagk (1895-1964) Presse Med 72:2177-9, 12 Sep 64 (Fr)
- Domanig E**  
Hoyt RK, Domanig E, Hahnloser P, Delin NA, Schenk WG Jr: Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextrans, or shed blood.  
Surg Forum 15:34-5, 1964
- Domm LV**  
Wellband WA, Domm LV: Effect of cortisone, amputation, and food restriction on growth of rat maxillary incisors.  
Proc Soc Exp Biol Med 116:718-20, Jul 64
- Donaghy RM**  
Chaffee B, Donaghy RM: Meningioma of the fourth ventricle. J Neurosurg 20:520-2, Jun 63
- Donald KW**  
Hutchinson DC, Flenley DC, Donald KW: Controlled oxygen therapy in respiratory failure.  
Brit Med J 5418:1159-66, 7 Nov 64
- Donald KW**  
MacKenzie GJ, Flenley DC, Taylor SH, McDonald AH, Staunton HP, Donald KW: Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. Lancet 2:825-32, 17 Oct 64
- Donaldson WE**  
Donaldson WE: In vivo inhibition of lipogenesis by biotin deficiency.  
Proc Soc Exp Biol Med 116:662-4, Jul 64
- Donato C**  
De la Cruz B, Pesigan TP, Banzon TC, Sevilla J, Donato C, Cruz A, Castro V: A report on the labeling of Schistosoma japonicum cercariae with radioiron. Amer J Trop Med 13:545-7, Jul 64
- Done AK**  
Hughes ER, Ely RS, Chodos DJ, Done AK, Kirschvink JF, Ainger LE, Kelley VC: Corticosterone half-life in children. Amer J Dis Child 108:366-71, Oct 64
- Donn A**  
Lambert B, Donn A: Effect of ouabain on active transport of sodium in the cornea.  
Arch Ophthalmol (Chicago) 72:525-8, Oct 64
- Donnelly JP**  
Donnelly JP, Franzoni KT: Uterine rupture. A 30-year survey. Obstet Gynec 23:774-7, May 64
- Donovan A**  
Demetriou JA, Crowley LG, Kushinsky S, Donovan AJ, Kotin P, MacDonald I: Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. Cancer Res 24:926-34, Jun 64
- Dood RB**  
Freund F, Roos A, Dood RB: Expiratory activity of the abdominal muscles in man during general anesthesia. J Appl Physiol 19:693-7, Jul 64
- Dorfman RI**  
Kincel FA, Dorfman RI: Pituitary gonadotrophin inhibitory action of neutral steroids.  
Acta Endocr (Copenhagen) 46:300-6, Jun 64
- Dorfman RI**  
Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI: Clinical, morphological and biochemical studies on a malignant testicular tumor.  
J Clin Endocr 24:528-42, Jun 64
- Dorman BA**  
Liffmann KE, Dorman BA, Corvase WP: Local hypothermia for hematemesis in a hemophiliac. JAMA 190:553-4, 9 Nov 64
- Dorogi J**  
Dorogi J: Improved conservative treatment of exomphalos. Lancet 2:888-9, 24 Oct 64
- Dorrington KJ**  
Dorrington KJ, Munro DS, Carneiro L: Reduction of gamma globulin with long-acting thyroid-stimulating activity. Lancet 2:889-91, 24 Oct 64
- Dorsey JL**  
Dorsey JL: Changing attitudes toward the Massachusetts birth-control law.  
New Eng J Med 271:823-7, 15 Oct 64
- Dotter CT**  
Farrehi C, Dotter CT, Griswold HE: Supravalvular aortic stenosis. Underdevelopment and characteristic facies.  
Amer J Dis Child 108:335-40, Oct 64
- Doty JM**  
Filkins JP, Murphy DL, Doty JM, Smith JJ: Effect of phenoxybenzamine on phagocytic activity and shock mortality in the rat.  
Proc Soc Exp Biol Med 116:757-62, Jul 64
- Doudoroff M**  
Merrick JM, Doudoroff M: Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. J Bact 88:60-71, Jul 64
- Douglas AS**  
Hutchinson HE, Pinkerton PH, Waters P, Lehmann H, Beale D, Douglas AS: Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family.  
Brit Med J 5417:1099-103, 31 Oct 64
- (Douglas CG)**  
(Douglas CG), Courtice FC: Claude Gordon Douglas, 26 February 1882-23 March 1963.  
J Pathol Bact 88:343-57, Jul 64
- Douglas CR**  
Bunag RD, Douglas CR, Imai S, Berne RM: Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. Circ Res 15:83-8, Jul 64
- Dousa T**  
Cort JH, Hammer J, Ulrych M, Pisa Z, Dousa T, Rudinger J: Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock.  
Lancet 2:840-1, 17 Oct 64
- Downs CM**  
Paretsky D, Downs CM, Salmon CW: Some biochemical changes in the guinea pig during infection with Coxiella burnetii.  
J Bact 88:137-42, Jul 64
- Downs WG**  
Jonkers AH, Downs WG, Aitken TH, Spence L: Arthropod-borne encephalitis viruses in northeastern South America. I. A serological survey of northeastern Surinam.  
Trop Geogr Med 16:135-45, Jun 64
- Doxiades T**  
Doxiades T: Hepatic amoebiasis.  
Brit Med J 5418:1197-8, 7 Nov 64
- Doxiades SA**  
Karaklis A, Valaes T, Pantelakis SN, Doxiadis SA: Thymectomy in an infant with autoimmune haemolytic anaemia. Lancet 2:778-80, 10 Oct 64
- Doyle JH**  
Doyle JH, Doyle JB Jr, Turnbull FM Jr: Electrical stimulation of eight cranial nerve.  
Arch Otolaryng (Chicago) 80:388-91, Oct 64
- Doyle JH**  
Doyle JH, Doyle JB Jr, Turnbull FM Jr: Electrical stimulation of eight cranial nerve.  
Arch Otolaryng (Chicago) 80:388-91, Oct 64
- Drach G**  
Yoho AV, Drach G, Koletsky S, Persky L: Experimental evaluation of tissue adhesives in urogenital surgery. J Urol 92:56-9, Jul 64
- Dräger J**  
Dräger J, Grüttner R, Theilmann W: Avoidance of side-reactions and loss of drug efficacy during long-term administration of carbonic anhydrase inhibitors by concomitant supplemental electrolyte administration. Brit J Ophthalmol 47:457-68, Aug 63
- Dragstedt LR**  
Quintana R, Kohatsu S, Woodward ER, Dragstedt LR: Mechanism of duodenal inhibition of gastric secretion. Arch Surg (Chicago) 89:585-91, Oct 64
- Dragstedt LR 2d**  
Palumbo LT, Sharpe WS, Lulu DJ, Bloom MH, Dragstedt LR 2d, Lawson LJ: Distal antrectomy with vagotomy. Results in 285 cases of chronic duodenal ulcer with hemorrhage.  
Arch Surg (Chicago) 89:637-44, Oct 64
- Dragstedt LR 2d**  
Lawson LJ, Dragstedt LR 2d: Vasopressin and gastric secretion. Surg Forum 15:118-20, 1964
- Drake CG**  
Drake CG, Barr HW, Coles JC, Gergely NF: The use of extracorporeal circulation and profound hypothermia in the treatment of ruptured intracranial aneurysm. J Neurosurg 21:575-81, Jul 64
- Drake CG**  
Allcock JM, Drake CG: Postoperative angiography in cases of ruptured intracranial aneurysm. J Neurosurg 20:752-9, Sep 63
- Drake CG**  
Drake CG, Pfaffner PM, Linell EA: Intracavitary irradiation of malignant brain tumours.  
J Neurosurg 20:428-34, May 63
- Drance SM**  
Drance SM: Effect of oral glycerol of intraocular pressure in normal and glaucomatous eyes.  
Arch Ophthalmol (Chicago) 72:491-3, Oct 64
- Drance SM**  
Pratt-Johnson JA, Drance SM, Innes R: Comparison between pilocarpine and echthiophate for chronic simple glaucoma. A comparison between 4 per cent pilocarpine and 0.06 per cent echthiophate iodine in the diurnal management of chronic simple glaucoma. Arch Ophthalmol (Chicago) 72:485-8, Oct 64
- Drash A**  
Drash A, Wolff F: Drug therapy in leucine-sensitive hypoglycemia. Metabolism 13:487-92, Jun 64
- Draskóczy PR**  
Burack WR, Draskóczy PR: The turnover of endogenously labeled catecholamine in several regions of the sympathetic nervous system.  
J Pharmacol Exp Ther 144:66-75, Apr 64
- Drawneek W**  
Drawneek W, O'Brien MJ, Goldsmith HJ, Bourdillon RE: Industrial methyl-bromide poisoning in fumigators. A case report and field investigation.  
Lancet 2:855-6, 17 Oct 64
- Dreifuss LS**  
Rabbino MD, Likoff W, Dreifuss LS: Complications and limitations of direct-current countershock.  
JAMA 190:417-20, 2 Nov 64
- Dreiling DA**  
Burrows L, Gelernt IM, Ein S, Dreiling DA, Kark AE: Antigen-antibody reactions involved in transplantation phenomena.  
Surg Forum 15:135-7, 1964
- Dreosti GM**  
Dreosti GM: The role of the South African fishing industry in feeding the nation.  
S Afr Med J 38:631-40, 22 Aug 64
- Dreosti JM**  
Thatcher GN, Dreosti JM, Brock JF: Observations on the effects of the addition of different levels of sodium chloride to a protein-depletion diet.  
S Afr Med J 38:682-4, 22 Aug 64
- Dressler W**  
Dressler W: Observations in patients with implanted pacemaker. 3. Frequency of ventricular tachycardia as cause of Adams-Stokes attacks and rate of pacing required for its prevention.  
Amer Heart J 68:19-24, Jul 64
- Dreyer JJ**  
Dreyer JJ, Du Bruyn DB, Concannon TR: Protein value and antitryptic activity of certain pulses grown in South Africa, with special reference to the effect of heat treatment. S Afr Med J 38:654-8, 22 Aug 64
- Dreyer JJ**  
Dreyer JJ, Du Bruyn DB, Brandt J, Lombard JH, Schweigart F: A preliminary note on the nutrient composition and protein value of green maize. S Afr Med J 38:648-52, 22 Aug 64
- Dreyfuss F**  
Frank RM, Dreyfuss F: Etude microradiographique de l'os pagétique. Presse Med 72:2291-4, 23 Sep 64 (Fr)
- Dripps RD**  
Dripps RD: Research: the environment for maximal development. Anesthesiology 25:440-4, Jul-Aug 64
- Dritsas C**  
Dritsas C, Flotte CT: Use of hydrogen peroxide as a source of oxygenation in the perfusion of isolated organs. Surg Forum 15:275-7, 1964
- Drivsholm A**  
Drivsholm A: Cytometric studies of myeloma cells. Planimetry and diameter measurements in 33 cases of myelomatosis with special reference to the correlation between cell size and serum immuno-electrophoretic findings.  
Acta Med Scand 176:79-89, Jul 64
- Dror Y**  
Tagari H, Dror Y, Ascarelli I, Bondi A: The influence of levels of protein and starch in rations of sheep on the utilization of protein. Brit J Nutr 18:333-56, 1964
- Drosd RE**  
Shocket E, Drosd RE, Tate CF Jr: Granuloma of the skin due to Mycobacterium fortuitum.  
Southern Med J 57:1352-6, Nov 64
- Drucker WR**  
Wright HK, McMaster W, Gann DS, Drucker WR: Correction of the renal concentrating defect in hemorrhagic shock. Surg Forum 15:18-20, 1964
- Drumme GD**  
Schapiro RH, Drumme GD, Shimizu Y, Isselbacher KJ: Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. J Clin Invest 43:1338-47, Jul 64
- Drummond JA**  
Drummond JA: The management of burned hands. Surg Clin N Amer 44:977-9, Aug 64
- Drury AB**  
Drury AB, Palmer PH, Highman WJ: Carcinomatous metastasis to the vertebral bodies.  
J Clin Path 17:448-57, Jul 64
- Drury HD**  
Drury HD: Femoral transposition of the spermatic cord in the repair of inguinal hernia.  
Aust New Zeal J Surg 34:15-7, Aug 64
- Dubin A**  
Waldstein SS, Dubin A, Newcomer A, McKenna CH: Determination of exogenous galactose in blood using "specially purified" glucose oxidase.  
Clin Chem 10:381-90, May 64
- Dubin IN**  
Dubin IN, Dunn MR, Ipsen J: Effect of cytologic program on pelvic examinations.  
Arch Environ Health (Chicago) 9:514-20, Oct 64
- Dubois EL**  
Tuffaneli DL, Dubois EL: Cutaneous manifestations of systemic lupus erythematosus.  
Arch Derm (Chicago) 90:377-86, Oct 64
- Dubois EL**  
Dubois EL, Tuffaneli DL: Clinical manifestations of systemic lupus erythematosus. Computer analysis of 520 cases. JAMA 190:104-11, 12 Oct 64
- DuBois S**  
Gale GR, Kendall SM, McLain HH, DuBois S: Effect of hydroxyurea on Pseudomonas aeruginosa.  
Cancer Res 24:1012-20, Jul 64
- Dubost C**  
Soulie P, Dubost C, Acar J, Degeorges M, Foucault JP: Les insuffisances aortiques a symptomatologie angineuse. Leur traitement chirurgical. (A propos de cinq observations) Presse Med 72:2307-12, 28 Sep 64 (Fr)
- Dubowski KM**  
Dubowski KM: Specificity of breath-alcohol analyses. JAMA 189:1039, 28 Sep 64
- Du Bruyn DB**  
Dreyer JJ, Du Bruyn DB, Concannon TR: Protein value and antitryptic activity of certain pulses grown in South Africa, with special reference to the effect of heat treatment. S Afr Med J 38:654-8, 22 Aug 64
- Du Bruyn DB**  
Dreyer JJ, Du Bruyn DB, Brandt J, Lombard JH, Schweigart F: A preliminary note on the nutrient composition and protein value of green maize. S Afr Med J 38:648-52, 22 Aug 64
- Dubuc J**  
Dvornik D, Kraml M, Dubuc J: Effect of 22,25-diacholestanol on synthesis of cholesterol by rat liver homogenates.  
Proc Soc Exp Biol Med 116:537-9, Jun 64
- Duc M**  
Kissel P, Hartemann P, Duc M, Duc ML: Le réflexogramme achilléen dans les dysthyroïdies et dans les troubles du métabolisme électrolytique. Presse Med 72:2201-4, 19 Sep 64 (Fr)
- Duc ML**  
Kissel P, Hartemann P, Duc M, Duc ML: Le réflexogramme achilléen dans les dysthyroïdies et dans les troubles du métabolisme électrolytique. Presse Med 72:2201-4, 19 Sep 64 (Fr)
- Ducas P**  
Mayer M, Ducas P, Rey F: Notre pratique actuelle de la ponction de liquide amniotique dans le traitement des érythroblastoses par iso-immunisation. Presse Med 72:2369-72, 3 Oct 64 (Fr)
- Duchen LW**  
Duchen LW, Strich SJ, Falconer DS: Clinical and pathological studies of an hereditary neuropathy in mice (dystonia musculorum). Brain 87:367-78, Jun 64
- Duckett S**



# ABRIDGED INDEX MEDICUS

- Duckett S, Wilson RR: Fetal spongioblastoma. *J Neuropath Exp Neurol* 23:560-4, Jul 64
- Duckett S, Claireaux AE: Cerebral teratoma associated with epignathus in a newborn infant. *J Neurosurg* 20:888-91, Oct 63
- Ducroquet J, Ducroquet R, Ducroquet J, Ducroquet P: Le pas pelvien. *Presse Med* 72:2095-9, 29 Aug 64 (Fr)
- Ducroquet P, Ducroquet J, Ducroquet J, Ducroquet P: Le pas pelvien. *Presse Med* 72:2095-9, 29 Aug 64 (Fr)
- Ducroquet R, Ducroquet J, Ducroquet P: Le pas pelvien. *Presse Med* 72:2095-9, 29 Aug 64 (Fr)
- Dudley MA, Chick EW: Corneal lesions produced in rabbits by an extract of *Fusarium moniliforme*. *Arch Ophthalmol (Chicago)* 72:346-50, Sep 64
- Duerre JA: Incorporation of S 35 into ribosomal proteins of *Escherichia coli*. *J Bact* 88:130-8, Jul 64
- Duffy JC, Littin EM: Psychiatric morbidity of physicians. *JAMA* 189:989-92, 28 Sep 64
- Dugmore W: An unusual Mooren's ulcer. *Brit J Ophthalmol* 47:365-8, Jun 63
- Duguid IM: Malignant melanoma of the lacrimal sac. *Brit J Ophthalmol* 48:394-8, Jul 64
- Duke JR, Woods AC, Duke JR: Coats's disease. 3. Experimental study of the effect of sterile uveal inflammation on rabbits with an induced hyperlipaemia. *Brit J Ophthalmol* 48:330-40, Jun 64
- Duke JR, Woods AC, Duke JR: Coats's disease. II. Studies on the identity of the lipids concerned, and the probable role of mucopolysaccharides in its pathogenesis. *Brit J Ophthalmol* 47:413-34, Jul 63
- Duke JR, Woods AC, Duke JR: Coats's disease. I. Review of the literature, diagnostic criteria, clinical findings, and plasma lipid studies. *Brit J Ophthalmol* 47:385-412, Jul 63
- Duke M, Herbert VD, Abelmann WH: Hemodynamic effects of blood transfusion in chronic anemia. *New Eng J Med* 271:975-80, 5 Nov 64
- Duke-Elder S (Woods AC), Duke-Elder S: Alan Churchill Woods, 1889-1963. *Brit J Ophthalmol* 47:254-6, Apr 63
- Dukes DC, Cumming G, Dukes DC, Widdowson G: Alkaline diuresis in treatment of aspirin poisoning. *Brit Med J* 5416:1033-6, 24 Oct 64
- Dukes PP, Takaku F, Dukes PP, Goldwasser E: In vitro studies of cell types responsive to erythropoietin. *Endocrinology* 74:968-72, Jun 64
- Dukes PP, Takaku F, Goldwasser E: In vitro studies on the effect of erythropoietin on glucosamine-1-14C incorporation into rat bone marrow cells. *Endocrinology* 74:960-7, Jun 64
- Dumon G, Brouillet-Gabriel MT, Heuillet G: Essais thérapeutiques d'un nouvel antitussif injectable: le Kat 256. *Presse Med* 72:2389-90, 3 Oct 64 (Fr)
- Dumont AE, Tice DA, Dumont AE: Lethal factor in thoracic duct lymph following superior mesenteric artery ligation. *Surg Forum* 15:86-8, 1964
- Duncalf D, Foldes FF: The use of radiolabeled serum albumin to confirm accidental intravascular insertion of epidural catheters. *Anesthesiology* 25:564-6, Jul-Aug 64
- Duncan GW, Lyster SC, Hendrix JW, Clark JJ, Webster HD: Biologic effects of melengestrol acetate. *Fertil Steril* 15:416-32, Jul-Aug 64
- Duncan GW, Lyster SC, Campbell JA: Effect of 7-alpha-methylglucuronide on biological activities on norethindrone. *Proc Soc Exp Biol Med* 116:800-2, Jul 64
- Seaton DA, Duncan LJ: Treatment of "refractory obesity" with a diet of two meals per day. *Lancet* 2:612-4, 19 Sep 64
- Duncan W, Hainan KE: Giant haemangioma with thrombocytopenia. *Clin Radiol* 15:224-31, Jul 64
- Dunes G, Hazard JB, Koiff WJ: Vascular changes in renal homografts. *JAMA* 190:199-202, 19 Sep 64
- Dungworth DL, Wilson MR, Gruchy CL, McCallum G: Malignant synovialoma in a cow. *J Path Bact* 88:83-7, Jul 64
- Dunn JE 2d, Cain SM, Dunn JE 2d: Transient arterial lactic acid changes in unanesthetized dogs at 21,000 feet. *Amer J Physiol* 206:1437-40, Jun 64
- Dunn JT, Chapman EM: Rising incidence of hypothyroidism after radioactive-iodine therapy in thyrotoxicosis. *New Eng J Med* 271:1037-42, 12 Nov 64
- Dunn MR, Dubin IN, Dunn MR, Ipsen J: Effect of cytologic program on pelvic examinations. *Arch Environ Health (Chicago)* 9:514-20, Oct 64
- Fowler AV, Camien MN, Dunn MS: Bound intracellular glycolic and D-lactic acids in *Mycobacterium ranae*. *J Bact* 87:1528-9, Jun 64
- Dunn PM: Congenital malformations and maternal diabetes. *Lancet* 2:644-5, 19 Sep 64
- Dunphy JE, Chapman R, Foran R, Dunphy JE: Management of intestinal fistulas. *Amer J Surg* 108:157-64, Aug 64
- Dupas M: Les interventions de revascularisation sur les gros vaisseaux du cou. *Presse Med* 72:2325-30, 26 Sep 64 (Fr)
- Dupré A, Bazex A, Dupré A, Christol B: Acétonide de fluocinolone (0.01 per cent) sous pansement occlusif: intérêt thérapeutique en dermatologie de cette nouvelle présentation à faible concentration. *Presse Med* 72:2387-8, 3 Oct 64 (Fr)
- Dupré J, Dupré J: An intestinal hormone affecting glucose disposal in man. *Lancet* 2:872-3, 20 Sep 64
- Dupré J, Prunty FT, Brooks RV, Dupré J, Hutchinson JS, London DR, Mills IH, Rhodes P: Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. *Proc Roy Soc Med* 57:529-32, Jun 64
- Dupree AL, Little J, Langman J: Human lens proteins examined by immunochemical and ultracentrifugal techniques. *Arch Ophthalmol (Chicago)* 72:860-6, Nov 64
- Durand P, Durand P, Borroni C, Scarabocchi S, Razzi A: Iperpigmentazione delle areole mammarie e dei genitali esterni con ginecomastia in corso di trattamento con griseofulvina. *Minerva Med* 55:2422-5, 18 Aug 64 (It)
- Durbin FC, Durbin FC: The organization of a provincial accident center in the south-western region. *Proc Roy Soc Med* 57:485-92, Jun 64
- Durbin PW, Yokoro K, Kunil A, Furth J, Durbin PW: Tumor induction with astatine-211 in rats: characterization of pituitary tumors. *Cancer Res* 24:683-8, May 64
- Durbin RP, Moody FG, Durbin RP: Mechanism of water flow in gastric acid secretion. *Surg Forum* 15:309-10, 1964
- Durgé NG, Ward R, Durgé NG, Arya J, Bagal M: Myocardial toxoplasmosis. *Lancet* 2:723-5, 3 Oct 64
- Dutta LP, Crane WA, Dutta LP: The influence of age on the uptake of 35S-sulphate and 3H-thymidine by the mesenteric arteries of rats with regenerating adrenal glands. *J Path Bact* 88:291-301, Jul 64
- Duvolsin GE, Duvolsin GE, Fowler WS, Payne WS, Ellis FH Jr: Reimplantation of the dog lung with survival after contralateral pneumectomy. *Surg Forum* 15:173-5, 1964
- Duxbury RE, Sadun EH: Fluorescent antibody test for the serodiagnosis of visceral leishmaniasis. *Amer J Trop Med* 13:525-9, Jul 64
- Duyck C, Matsuda K, Duyck C, Kendall JW Jr, Greer MA: Pathways by which traumatic stress and ether induce increased ACTH released in the rat. *Endocrinology* 74:981-5, Jun 64
- Duyck C, Matsuda K, Duyck C, Greer MA: Restoration of the ability of rat pituitary homotransplants to secrete ACTH if placed under the hypothalamic median eminence. *Endocrinology* 74:939-43, Jun 64
- Dvornik D, Dvornik D, Kraml M, Dubuc J: Effect of 22,25-diazacholesterol on synthesis of cholesterol by rat liver homogenates. *Proc Soc Exp Biol Med* 116:537-9, Jun 64
- Dworkin BR, Dworkin BR, Wolach A, Necheles H: Recording viscometer for nonhomogeneous biological fluids. *J Appl Physiol* 19:798-800, Jul 64
- Dworkin JY, Zimskind PD, Fetter TR, Davis DM, Friedman MH, Dworkin JY: Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs. *Surg Forum* 15:496-7, 1964
- Dyer JA, Belau PG, Dyer JA, Ogle KN, Henderson JW: Correction of ametropia with intracorneal lenses. An experimental study. *Arch Ophthalmol (Chicago)* 72:541-7, Oct 64
- Dyke LM, Kapikian AZ, Johnson KM, Chanock RM, Bell JA, Dyke LM, Her RE: A pilot study of acute respiratory illnesses on a college campus. *Amer Rev Resp Dis* 90:176-82, Aug 64
- Dymling JF, Heaney RP, Bauer GC, Bronner F, Dymling JF, Lafferty FW, Nordin BE, Rich C: A normal reference standard for radiocalcium turnover and excretion in humans. *J Lab Clin Med* 64:21-8, Jul 64
- Dyrbye MO, Pejtersen E, Friis T: Diagnostic value of 131-I in thyroid disorders. A study of 649 patients. *Acta Med Scand* 176:91-101, Jul 64
- Dzwachiszwill N, Dzwachiszwill N, Landau JW, Newcomer VD, Plunkett OA: The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. *J Invest Derm* 43:103-9, Aug 64
- Eades CG, Martin WR, Eades CG, Fraser HF, Wikler A: Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics. *J Pharmacol Exp Ther* 144:8-11, Apr 64
- Eagon RG, Walker H, Eagon RG: Lactic dehydrogenases of *Pseudomonas natriegens*. *J Bact* 88:26-30, Jul 64
- Eakins KE, Eakins KE, Eakins KE: Adrenergic mechanisms and the outflow of aqueous humor from the rabbit eye. *J Pharmacol Exp Ther* 144:80-5, Apr 64
- Eakins KE, Eakins KE, Eakins KE: Adrenergic mechanisms and the outflow of aqueous humor from the rabbit eye. *J Pharmacol Exp Ther* 144:80-5, Apr 64
- Earl CJ, Hunter R, Earl CJ, Thronicroft S: An apparently irreversible syndrome of abnormal movements following phenothiazine medication. *Proc Roy Soc Med* 57:758-62, Aug 64
- Earley LE, Earley LE, Friedler RM: Renal tubular effects of ethacrynic acid. *J Clin Invest* 43:1495-508, Jul 64
- Earley LE, Earley LE: Effect of renal arterial infusion of albumin on saline diuresis in the dog. *Proc Soc Exp Biol Med* 116:262-5, Jun 64
- Easty GC, Easty GC, Yarnell MM, Andrews RD: The uptake of proteins by normal and tumour cells in vitro. *Brit J Cancer* 18:354-67, Jun 64
- Easty GC, Easty GC: The uptake of fluorescent labelled proteins by normal and tumour tissues in vivo. *Brit J Cancer* 18:368-77, Jun 64
- Eaton A, Kearsley RB, Snider M, Eaton A: A practical, quantitative method for recognizing behavioral illness in boys 9 to 14 years of age. *J Pediatr* 65:256-66, Aug 64
- Eaton DH, Eaton DH: Head injuries in a peripheral hospital. *Lancet* 2:907-8, 24 Oct 64
- Ebert PA, Ebert PA, Haller JA Jr: Distribution of tritium labeled thymocytes in newborn mice. *Surg Forum* 15:125-6, 1964
- Ebert RH, Moses JM, Ebert RH, Graham RC, Brine KL: Pathogenesis of inflammation. I. The production of an inflammatory substance from rabbit granulocytes in vitro and its relationship to leucocyte pyrogen. *J Exp Med* 120:57-82, 1 Jul 64
- Eble JN, Eble JN: A study of the mechanisms of the modifying actions of cocaine, ephedrine and imipramine on the cardiovascular response to norepinephrine and epinephrine. *J Pharmacol Exp Ther* 144:76-82, Apr 64
- Ebling FJ, Ebling FJ: Androgens and the skin. *Proc Roy Soc Med* 57:526-7, Jun 64
- Eckenhoff JE, Eckenhoff JE, Compton JR, Larson A, Davies RM: Assessment of cerebral effects of deliberate hypotension by psychological measurements. *Lancet* 2:711-4, 3 Oct 64
- Eckert P, Mori PA, Anderson AE Jr, Eckert P: The radiological spectrum of aging and emphysematous lungs. *Radiology* 83:48-57, Jul 64
- Eckhardt ET, Maxwell RA, Kelley JJ Jr, Eckhardt ET: Effect of catecholamine depletion on an index of myocardial contractility in isolated rabbit hearts. *Proc Soc Exp Biol Med* 116:672-4, Jul 64
- Economou SG, Tilney NL, Beattie EJ Jr, Economou SG: Neonatal thymectomy in the dog. *Surg Forum* 15:123-4, 1964
- Edelman F, Scheinberg LC, Suzuki K, Edelman F, Davidoff LM: Studies in immunization against a transplantable cerebral mouse glioma. *J Neurosurg* 20:312-7, Apr 63
- Edgerton MT, Snyder GB, Edgerton MT: Masquerade graft technique for simultaneous reconstruction of upper and lower eyelids in patients with blastomycosis, amyloidosis or other chronic septic destructive lesions. *Plast Reconstr Surg* 34:163-8, Aug 64
- Edlich RF, Edlich RF, Upson JF, Brennan JC: Electrocautery in percutaneous liver biopsy. *JAMA* 190:68-9, 5 Oct 64
- Edling NP, Edling NP, Oventors CO: Intentional embolism in selective renal arteriography. An experimental study in dogs. *Acta Radiol [Diagn] (Stockholm)* 2:316-20, Jul 64
- Edling NP, Edling NP: Dysfibroplasia, dyschondroplasia and dysosteoplasia of bone. *Acta Radiol [Diagn] (Stockholm)* 2:283-8, Jul 64
- Edmunds RT, Blasberg G, Edmunds RT, Finby N: Effect of cholecystokinin on the normal common duct after cholecystectomy. *Surg Forum* 15:375-7, 1964
- Edward DW, Edward DW, Skoryna SC: Properties of gel mucin of human gastric juice. *Proc Soc Exp Biol Med* 116:794-9, Jul 64
- Edward DW, Paul TM, Edward DW, Skoryna SC: Effect of acidic polysaccharides on bone uptake of radioactive strontium and calcium. *Surg Forum* 15:66-7, 1964
- Edwards AW, Edwards AW: Alveolar capillary temperature compared with aortic and bronchial wedge temperatures. *J Appl Physiol* 19:760-4, Jul 64
- Edwards EA, Rytel MW, Conner GH, Welch CC, Kraybill WH, Edwards EA, Rosenbaum MJ, Frank PF, Miller LF: Infectious agents associated with cylindrical bronchiectasis. *Dis Chest* 46:23-8, Jul 64
- Edwards FR, Edwards FR: Instrumental transatrial mitral valvotomy. *Dis Chest* 46:223-5, Aug 64
- Edwards HM Jr, Edwards HM Jr: Observations on feeding tung oil to chickens. *J Nutr* 83:365-8, Aug 64
- Edwards JM



# ABRIDGED INDEX MEDICUS

- Jantet GH, Edwards JM, Gough MH, Kinmonth JB: Endolymphatic therapy with radioactive gold for malignant melanoma. *Brit Med J* 5414:904-6, 10 Oct 64
- Edwards JW  
Frankland AW, Evans RG, Macaulay DB, Edwards JW: Hay fever treated by repository injections. *Practitioner* 193:71, Jul 64
- Edwards RH  
Edwards RH, Killen DA: Prevention of spinal cord ischemia incident to extensive mobilization of the thoracic aorta from the posterior parietes. *Surg Forum* 15:285-7, 1964
- Edwards RL  
Crooke AC, Butt WR, Palmer RF, Bertrand PV, Carrington SP, Edwards RL, Anson CJ: Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64
- Edwards RW  
Barratt TM, Edwards RW, Makin HL, Clayton BE: Varieties of adrenal hyperplasia in children. *Proc Roy Soc Med* 57:527-9, Jun 64
- Edynak E  
Edynak E, Caycedo A, Nance FC, Miller LD, Peskin GW: The role of serotonin in the digestive process. *Surg Forum* 15:301-3, 1964
- Egdahl RH  
Gann DS, Egdahl RH: Mechanisms of adrenal cortical activation by hypotension. *Surg Forum* 15:8-10, 1964
- Eger EI 2d  
Eger EI 2d, Epstein RM: Hazards of anesthetic equipment. *Anesthesiology* 25:490-504, Jul-Aug 64
- Egerton JR  
Egerton JR, Walker PD: The isolation of *Clostridium perfringens* type C from necrotic enteritis of man in Papua-New Guinea. *J Path Bact* 88:275-8, Jul 64
- Eggers PF  
Eggers PF: The dilemma of power: nuclear weapons and human reliability. *Psychiatry* 27:211-8, Aug 64
- Ehrlich JC  
Ehrlich JC, Shinohara Y: Low incidence of coronary thrombosis in myocardial infarction. A restudy by serial block technique. *Arch Path (Chicago)* 78:432-45, Oct 64
- Ehrlich R  
King ME, Shefner AM, Ehrlich R: Effectiveness of aurin tricarboxylic acid (ATA) as an antidote for beryllium poisoning. *Industr Med Surg* 33:566-9, Aug 64
- Ehshamzadeh J  
Mastrolanni L Jr, Ehshamzadeh J: Corona cell dispersing properties of rabbit tubal fluid. *J Reprod Fertil* 8:145-7, Aug 64
- Eich RH  
Smulyan H, Cuddy RP, Eich RH: Hemodynamic effects of pressor agents in septic and myocardial infarction shock. *JAMA* 190:188-94, 19 Sep 64
- Eichelberger L  
Rams JJ, Eichelberger L, Moulder PV: Water and electrolyte structural studies on homotransplanted hearts. *Dis Chest* 46:165-73, Aug 64
- Eichenberger M  
Eichenberger M: Neurodermitis: Verlauf, Testresultate und Pathogenese. *Int Arch Allerg* 24:Suppl:56-7, 1964 (Ger)
- Eickhoff TC  
Kislaak JW, Eickhoff TC, Finland M: Hospital-acquired infections and antibiotic usage in the Boston City Hospital-January, 1964. *New Eng J Med* 271:834-5, 15 Oct 64
- Eidus L  
Eidus L, Hamilton EJ: In vitro tests with 4,4'-diisooamylxythiocarbonyl. *Amer Rev Resp Dis* 90:258-60, Aug 64
- Eiken O  
Mayer RF, Eiken O, Nabseth DC: Nerve regeneration in replanted canine limbs. *Amer J Physiol* 206:1415-21, Jun 64
- Ein S  
Burrows L, Gelert IM, Ein S, Dreiling DA, Kark AE: Antigen-antibody reactions involved in transplantation phenomena. *Surg Forum* 15:135-7, 1964
- Eisalo A  
Eisalo A, Järvinen PA, Viranko M: Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. *Ann Chir Gynaec Fenn* 53:389-93, 1964
- Eiseman B  
Liem DS, Waltuch TL, Eiseman B: Function of the ex-vivo pig liver perfused with human blood. *Surg Forum* 15:90-1, 1964
- Eiseman B  
Sharma GP, Eiseman B: Protective effect of adenosine triphosphate in experimental hemorrhagic shock. *Surg Forum* 15:27-9, 1964
- Eisenberg E  
Halden A, Eisenberg E, Gordon GS: Parathyroid hormone and phosphate homeostasis in man. *Acta Endocr (Copenhagen)* 46:285-91, Jun 64
- Eisenberg MM  
Eisenberg MM, Owens JE, Woodward ER: Androgenic effect on gastric secretion. *Surg Forum* 15:321-3, 1964
- Eisenberg R  
Eisenberg R, Young D, Jacobson B, Boito A: Familial supravalvular aortic stenosis. *Amer J Dis Child* 108:341-7, Oct 64
- Eisenbrey AB  
McGinnis KD, Eisenbrey AB: Diagnostic criteria for distinguishing cervical disk herniation from spondylosis in the neural compression syndrome. *Radiology* 83:67-73, Jul 64
- Eisenstadt HB  
Eisenstadt HB: Asbestos pleurisy. *Dis Chest* 46:78-81, Jul 64
- Eisenstadt JM  
Eisenstadt JM, Klein HP: Effects of aspartate on growth and on the synthesis of alpha-amylase in *Pseudomonas saccharophila*. *J Bact* 87:1355-63, Jun 64
- Eitzman DV  
Engel RR, Hammond D, Eitzman DV, Pearson H, Krivit W: Transient congenital leukemia in 7 infants with mongolism. *J Pediat* 65:303-5, Aug 64
- Ekelund LG  
Havel RJ, Carlson LA, Ekelund LG, Holmgren A: Turnover rate and oxidation of different free fatty acids in man during exercise. *J Appl Physiol* 19:613-8, Jul 64
- Elbrond O  
Elbrond O: Myringoplasty according to Shea's method. *Arch Otolaryng (Chicago)* 80:402-6, Oct 64
- Eldred E  
Buchwald JS, Standish M, Eldred E, Halas ES: Contribution of muscle spindle circuits to learning as suggested by training under flaxedil. *Electroenceph Clin Neurophysiol* 16:582-94, Jun 64
- Eleftheriou BE  
Bronson FH, Eleftheriou BE, Garick EI: Effects of intra- and inter-specific social stimulation on implantation in deer mice. *J Reprod Fertil* 8:22-7, Aug 64
- Elias C  
Papavasiliou C, Garmatis C, Elias C, Kostouros D, Katharios N: Lung changes following cobalt teletherapy for carcinoma of the breast. *Clin Radiol* 15:242-5, Jul 64
- Elias LG  
Bressani R, Elias LG, Braham JE: All-vegetable protein mixtures for human feeding. XV. Studies in dogs on the absorption of gassypol from cottonseed flour-containing vegetable protein mixtures. *J Nutr* 83:209-17, Jul 64
- Elicio MA  
Alifano A, Papa S, Tancredi F, Elicio MA, Quagliariello E: Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder and kidney. *Brit J Cancer* 18:386-9, Jun 64
- Elliott DW  
Niederhuber JE, Howe CT, Westerheide RL, Elliott DW: Influence of gastric freezing on antral function. *Surg Forum* 15:323-5, 1964
- Elliott BA  
Fleming AF, Elliott BA: Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. *Brit Med J* 5417:1108-11, 31 Oct 64
- Elliott BA  
Fleming AF, Elliott BA: Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. *Brit Med J* 5417:1108-11, 31 Oct 64
- Elliott DW  
Westerheide RL, Howe CT, Elliott DW: Antral and pancreatic stimulation of gastric hypersecretion. *Surg Forum* 15:369-71, 1964
- Elliott DW  
Howe CT, Elliott DW, Zollinger RM: Histamine metabolism in pancreatic-induced hypersecretion. *Surg Forum* 15:367-9, 1964
- Elliott FA  
Elliott FA: Treatment of herpes zoster with high doses of prednisone. *Lancet* 2:610-1, 19 Sep 64
- Elliott GA  
Stables DP, Prowse CM, Elliott GA: Prenylamine ("segontin") in prophylaxis of angina pectoris attacks. *S Afr Med J* 58:615-7, 15 Aug 64
- Elliott HC  
Elliott HC, Walker AA 3d: Fluorometric microanalysis of plasma hippuric acid and comparison of hippurate with p-aminohippurate clearances in dogs. *Proc Soc Exp Biol Med* 116:268-70, Jun 64
- Ellis AB  
Miller AJ, Ellis AB, Hirsch LJ: Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog. *Proc Soc Exp Biol Med* 116:392-4, Jun 64
- Ellis FG  
Bulbrook RD, Deshpande N, Ellis FG, Hayward JL, Parker J, Thomas BS, Wang DY: Androgens in human breast cancer. *Proc Roy Soc Med* 57:523-5, Jun 64
- Ellis FH Jr  
Duvoisin GE, Fowler WS, Payne WS, Ellis FH Jr: Reimplantation of the dog lung with survival after contralateral pneumectomy. *Surg Forum* 15:173-5, 1964
- Ellis H  
Conolly ME, Ellis H: Anuria due to uric acid crystalluria: an unusual complication of therapy in the reticuloses. *Brit J Cancer* 18:247-51, Jun 64
- Ellis H  
Ellis H: Chronic duodenal ulcer with ankylosing spondylitis. *Proc Roy Soc Med* 57:674-5, Aug 64
- Ellis JG  
Ellis JG: Fever with penicillin. *New Eng J Med* 271:965, 29 Oct 64
- Ellis LB  
Ellis LB: The training of the physician: continuing education; Postgraduate Medical Institute. *New Eng J Med* 271:883-5, 22 Oct 64
- Ellis LC  
Ellis LC, Newcomer WS: Glucuronosyl transferase activity in livers of rat, dog, and sheep. *Proc Soc Exp Biol Med* 116:613-7, Jul 64
- Ellis LC  
Ellis LC, Newcomer WS: Delta 4-reductase and sulfokinase activities of rat and sheep liver preparations. *Proc Soc Exp Biol Med* 116:617-21, Jul 64
- Ellis PP  
Sitprija V, Holmes JH, Ellis PP: Intracocular pressure changes during artificial kidney therapy. *Arch Ophthalm (Chicago)* 72:626-31, Nov 64
- Ellison EH  
Amberg JR, Ellison EH, Wilson SD, Zboralske FF: Roentgenographic observations in the Zollinger-Ellison syndrome. *JAMA* 190:185-7, 19 Sep 64
- Ellison EH  
Wilson SD, Potacek MA, Baker J, Ellison EH: Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. *Surg Forum* 15:365-7, 1964
- Ellison LT  
Yeh TJ, Ellison LT, Ellison RG: Alveolar surfactant in lung homotransplantation and hilar stripping. *Surg Forum* 15:191-2, 1964
- Ellison RG  
Yeh TJ, Ellison LT, Ellison RG: Alveolar surfactant in lung homotransplantation and hilar stripping. *Surg Forum* 15:191-2, 1964
- Elleston EP  
Kar S, Elleston EP, Taylor CE: Field method for concentrating *Mycobacterium leprae* in skin biopsy specimens. *Int J Leprosy* 32:18-23, Jan-Mar 64
- Elmendorff H von  
Elmendorff H von, Vallée D: Über den Abbau der Plasmaplipide in Blutkonserven. *Blut* 10:61-7, Mar 64 (Ger)
- Elovitz MJ  
Hardaway RM, Elovitz MJ, Brewster WR Jr, Houchin DN: Clotting time of heparinized blood. Influence of acidosis. *Arch Surg (Chicago)* 89:701-5, Oct 64
- Elsas F  
Kochakian CD, Elsas F, Harrison DG: Androgen regulation of mouse kidney ribonucleases. *Acta Endocr (Copenhagen)* 46:179-84, Jun 64
- Elssasser JC  
Coben LA, Loeffler JD, Elssasser JC: Spinal fluid iodide transport in the dog. *Amer J Physiol* 206:1373-8, Jun 64
- Elves MW  
Elves MW, Roath S, Isaacs MC: Failure of lymphocytes from hypogammaglobulinemic subjects to transform in culture. *Brit Med J* 5416:1051-2, 24 Oct 64
- Elvidge AR  
Berger EC, Elvidge AR: Medulloblastomas and cerebellar sarcomas: a clinical survey. *J Neurosurg* 20:139-44, Feb 63
- Elwood PC  
Elwood PC, Jacobs A, Pitman RG, Entwistle CC: Epidemiology of the Paterson-Kelly syndrome. *Lancet* 2:716-20, 3 Oct 64
- Ely RS  
Hughes ER, Ely RS, Chodos DJ, Done AK, Kirschvink JF, Ainger LE, Kelley VC: Corticosterone half-life in children. *Amer J Dis Child* 108:366-71, Oct 64
- Emarah MH  
Emarah MH: Simplified indirect ophthalmoscope. *Brit J Ophthalm* 48:176-8, Mar 64
- Emde JW  
Schwartz M, Emde JW, Shagass C: Comparison of constant current and constant voltage stimulators for scalp-recorded somatosensory responses. *Electroenceph Clin Neurophysiol* 17:81-3, Jul 64
- Emde JW  
Emde JW: A time locked, low level calibrator. *Electroenceph Clin Neurophysiol* 16:616-8, Jun 64
- Emerson TE  
Brake CM, Emerson TE, Wittmers LE, Hinchaw LE: Alteration of vascular responses to endotoxin by adrenergic blockade. *Amer J Physiol* 207:149-51, Jul 64
- Emery N  
Miller NE, Gottesman KS, Emery N: Dose response to carbachol and norepinephrine in rat hypothalamus. *Am J Physiol* 206:1384-8, Jun 64
- Emery PF  
Naylor WG, Emery PF: The positive inotropic activity of tetraethylammonium ions and their effect on radiocalcium movement. *J Pharmacol Exp Ther* 144:116-23, Apr 64
- Emond RT  
Ramsay AM, Emond RT, Alston JM: Future management of infectious diseases. *Brit Med J* 5415:1004-5, 17 Oct 64
- Ende N  
Ende N: Thromboangiitis obliterans: with special reference to coagulation and clot lysis. *Vasc Dis* 1:83-8, Mar 64
- Enders JF  
Enders JF: Thoughts on future contributions of virology to medicine. *New Eng J Med* 271:969-75, 5 Nov 64
- Engel FL  
Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI: Clinical, morphological and biochemical studies on a malignant testicular tumor. *J Clin Endocr* 24:528-42, Jun 64
- Engel LL  
Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI: Clinical, morphological and biochemical studies on a malignant testicular tumor. *J Clin Endocr* 24:528-42, Jun 64
- Engel RR  
Engel RR, Hammond D, Eitzman DV, Pearson H, Krivit W: Transient congenital leukemia in 7 infants with mongolism. *J Pediat* 65:303-5, Aug 64
- Engel WK  
Brody IA, Engel WK: Denervation of muscle in myasthenia gravis. Report of a patient with myasthenia gravis for 47 years and histochemical signs of denervation. *Arch Neurol (Chicago)* 11:350-4, Oct 64
- Engelberg H  
Engelberg H: Incidence of endogenous lipoprotein lipase activity in human plasma. *Proc Soc Exp Biol Med* 116:422-5, Jun 64
- English R  
Martin DS, Hayworth P, Fugmann RA, English R, McNeill HW: Combination therapy with cyclophosphamide and zymosan on a spontaneous mammary cancer in mice. *Cancer Res* 24:652-4, May 64
- Enneking WF  
Ledbetter JR, Enneking WF: Effects of sodium ethylenediamine tetra-acetic acid on fracture healing. *Surg Forum* 15:446-8, 1964
- Enns T



# ABRIDGED INDEX MEDICUS

- Chinard FP, Enns T, Nolan MF: Arterial hematocrit and separation of cells and plasma in the dog kidney. *Amer J Physiol* 207:128-32, Jul 64
- Emm MA (Bunnell S), Entin MA: Sterling Bunnell--Surgical giant at work. *Surg Clin N Amer* 44:889-95, Aug 64
- Entin MA: Reconstruction of congenital aplasia of radial component. *Surg Clin N Amer* 44:1091-105, Aug 64
- Entin MA: Restoration of function of paralyzed hand. *Surg Clin N Amer* 44:1049-59, Aug 64
- Entin MA: Surgical treatment of rheumatoid arthritis. *Surg Clin N Amer* 44:1081-90, Aug 64
- Entin MA: Infections of the hand. *Surg Clin N Amer* 44:981-93, Aug 64
- Entin MA: Crushing and avulsing injuries of the hand. *Surg Clin N Amer* 44:1009-18, Aug 64
- Entman ML, Kong Y, Heyman A, Entman ML, McIntosh HD: Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. *Circulation* 30:109-13, Jul 64
- Entwistle CC, Elwood PC, Jacobs A, Pitman RG, Entwistle CC: Epidemiology of the Paterson-Kelly syndrome. *Lancet* 2:716-20, 3 Oct 64
- Epker B, Takahashi H, Epker B, Frost HM: Resorption precedes formative activity. *Surg Forum* 15:437-8, 1964
- Epstein BS, Teplick C, Epstein BS, Rose LR, Switzer WE, Moncrief JA: Pathology of low tracheostomy in children. *Amer J Clin Path* 42:58-63, Jul 64
- Epstein CJ, Goldberger RF, Epstein CJ, Anfinsen CB: Purification and properties of a microsomal enzyme system catalyzing the reactivation of reduced ribonuclease and lysozyme. *J Biol Chem* 239:1406-10, May 64
- Epstein LB, Epstein LB, Stohman F Jr: RNA synthesis in cultures of normal human peripheral blood. *Blood* 24:69-75, Jul 64
- Epstein RM, Eger EI 2d, Epstein RM: Hazards of anesthetic equipment. *Anesthesiology* 25:490-504, Jul-Aug 64
- Epstein S, Wenzel FJ, Epstein S: Cross-sensitivity between streptomycin and dihydrostreptomycin. *J Invest Derm* 43:99-101, Aug 64
- Epstein SS, Small M, Falk HL, Mantel N: On the association between photodynamic and carcinogenic activities in polycyclic compounds. *Cancer Res* 24:855-62, Jun 64
- Epstein WL, Milby TH, Epstein WL: Allergic contact sensitivity to malathion. *Arch Environ Health (Chicago)* 9:434-7, Oct 64
- Eraklis AJ, Brooks JR, Eraklis AJ: Factors affecting the mortality from peptic ulcer. The bleeding ulcer and ulcer in the aged. *New Eng J Med* 271:803-9, 15 Oct 64
- Eraslan S, Hamernik RJ, Eraslan S, Hardy JD: Uterine reimplantation in dogs. *Surg Forum* 15:383-5, 1964
- Ercikan C, Seter N, Ercikan C: Kaposi's sarcoma with ocular manifestations. *Brit J Ophthalmol* 48:223-6, Apr 64
- Erculei F, Erculei F, Walker AE: Posttraumatic epilepsy and early cranioplasty. *J Neurosurg* 20:1085-9, Dec 63
- Erdmann KJ, Aschenbrenner R, Braren F, Erdmann KJ: Akuter Herzinfarkt und Lungenstaunung. Eine klinisch-röntgenologische studie. *Deutsch Med Wschr* 89:1777-81, 18 Sep 64 (Ger)
- Erickson BH, Erickson BH: Effects of neonatal gamma irradiation on hormone production and spermatogenesis in testis of the adult pig. *J Reprod Fertil* 8:91-100, Aug 64
- Eriksen N, Benditt EP, Eriksen N: Amyloid. II. Starch gel electrophoretic analysis of some proteins extracted from amyloid. *Arch Path (Chicago)* 78:325-30, Oct 64
- Erikson LE, Erikson LE: Light-dark periodicity and the Rhesus-monkey menstrual cycle. *Fertil Steril* 15:352-66, Jul-Aug 64
- Erlanson RA, Southam CM, Shipkey FH, Babcock VI, Bailey R, Erlanson RA: Virus biographies. I. Growth of West Nile and Guarua viruses in tissue culture. *J Bact* 88:187-99, Jul 64
- Erlj D, Mendez R: The modification of digitalis intoxication by excluding adrenergic influences on the heart. *J Pharmacol Exp Ther* 144:97-103, Apr 64
- Erskine CA, Erskine CA: Neuroglial relationships in the human retinal capillary network. *Brit J Ophthalmol* 47:601-10, Oct 63
- Ertel RJ, Raman PB, Ertel RJ, Ungar F: Conversion of progesterone-4-14C to 18-hydroxycorticosterone and aldosterone by mouse adrenals in vitro. *Endocrinology* 74:865-9, Jun 64
- Escher JW, Furman S, Escher JW, Schwedel JW, Solomon N, Rubinstein B: Motion factors producing breaks in implanted cardiac pacemaker leads. *Surg Forum* 15:248-9, 1964
- Eser SR, Eser SR: Circumcision and cervical cancer. *Brit Med J* 5416:1073-4, 24 Oct 64
- Esmond WG, Attar SM, Esmond WG, Blair E, Cowley RA: Hyperbaric oxygenation in massive pulmonary embolism. *Surg Forum* 15:200-2, 1964
- Essenfeld E, Essenfeld E, Fennell RH Jr: Immunofluorescent study of experimental Trypanosoma cruzi infection. *Proc Soc Exp Biol Med* 116:728-30, Jul 64
- Esser G, Schreiber HW, Luchmann A, Schriebers KH, Esser G: Über das Ulcus bei der Leberzirrhose. *Deutsch Med Wschr* 89:1787-9, 18 Sep 64 (Ger)
- Estid M, Mainetti JM, Vinal C: Takayasu's arteritis: aortic carotid bypass. *Vasc Dis* 1:96-108, Mar 64
- Estridge MN, Estridge MN, Smith RA: Anterior cervical fusion; solution of a particular problem. *J Neurosurg* 20:441-4, May 63
- Estrin I, Gilbert M, Roitstein J, Cunningham C, Estrin I, Davidson A: Norethynodrel with mestranol in treatment of rheumatoid arthritis. *JAMA* 190:235, 19 Sep 64
- Etkins P, Gray WS, Etkins P: Ventricular tachycardia after synchronized direct-current countershock. *JAMA* 190:470-1, 2 Nov 64
- Evans CA, Milner JE, Evans CA, Weiser RS: Immunity and the treatment of cancer. *Lancet* 2:816-7, 10 Oct 64
- Evans DA, Evans DA: Enzymes and drug sensitivity. Acetylation polymorphisms. *Proc Roy Soc Med* 57:508-11, Jun 64
- Evans EE, Kent SP, Evans EE, Attieberger MH: Comparative immunology. Lymph nodes in the amphibian, Bufo marinus. *Proc Soc Exp Biol Med* 116:456-9, Jun 64
- Evans JG, Evans JG: Neurogenic intermittent claudication. *Brit Med J* 5415:985-7, 17 Oct 64
- Evans KT, Hendrickse JP de, Cockshott WP, Evans KT, Barton CJ: Pelvic angiography in the diagnosis of malignant trophoblastic disease. *New Eng J Med* 271:859-66, 22 Oct 64
- Evans PA, Evans PA: Adenoma in an eyelid. *Brit J Ophthalmol* 48:234-5, Apr 64
- Evans PA (Livingstone D), Evans PA: The ophthalmic observations of David Livingstone. *Brit J Ophthalmol* 47:372-4, Jun 63
- Evans RG, Frankland AW, Evans RG, Macaulay DB, Edwards JW: Hay fever treated by repository injections. *Practitioner* 193:71, Jul 64
- Eversden M, Olmsted RW, Alvarez MC, Moroney JD, Eversden M: The pattern of hearing following acute otitis media. *J Pediatr* 65:252-5, Aug 64
- Everts CM, Everts CM: Regional water pollution control resources. *Arch Environ Health (Chicago)* 9:673-7, Nov 64
- Ewing WH, Davis BR, Ewing WH: Lipolytic, pectolytic, and algolytic activities of Enterobacteriaceae. *J Bact* 88:16-9, Jul 64
- Eyquem A, Delmonte L, Aschkenasy A, Eyquem A: Studies on the hemolytic nature of protein-deficiency anemia in the rat. *Blood* 24:49-68, Jul 64
- Eyquem A, Jacqueline F, Podliachouk L, Eyquem A: Les anticorps du système sérique Gm au cours de la polyarthrite chronique évolutive. *Presse Med* 72:2205-8, 19 Sep 64 (Fr)
- Fabiano R, Zewe V, Fromm HJ, Fabiano R: The effect of manganous on the kinetics and mechanism of the yeast hexokinase reaction. *J Biol Chem* 239:1625-34, May 64
- Fabry P, Fabry P, Hejl Z, Fodor J, Braun T, Zvolankova K: The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. *Lancet* 2:614-5, 19 Sep 64
- Facon E, Facon E, Schwartz B: Le traitement hormonal de l'œdème cérébral des accidents cérébrovasculaires. *Presse Med* 72:2377-9, 3 Oct 64 (Fr)
- Fagin ID, Fagin ID: Rupture of the heart following myocardial infarction. *J Amer Geriatr Soc* 12:701-6, Jul 64
- Faichney GJ, Walker DM, Faichney GJ: Nitrogen balance studies with the milk-fed lamb. 3. Effect of different nitrogen intakes on growth and nitrogen balance. *Brit J Nutr* 18:295-306, 1964
- Faillace LA, Perlas AP, Faillace LA: Psychiatric manifestations of carcinoma of the pancreas. *Amer J Psychiat* 121:182, Aug 64
- Faivre G, Faivre G, Chalmot P: Un nouveau stimulateur implantable: le "pacemaker" synchrone de Nathan. *Presse Med* 72:2141-2, 12 Sep 64 (Fr)
- Falces E, Klabunde EH, Falces E: Incidence of complications in cosmetic rhinoplasties. *Plast Reconstr Surg* 34:192-6, Aug 64
- Falconer DS, Duchon LW, Strich SJ, Falconer DS: Clinical and pathological studies of an hereditary neuropathy in mice (dystonia musculorum). *Brain* 87:367-78, Jun 64
- Falconer DS, Bloom JL: Changes in susceptibility to urethane-induced lung tumours produced by selective breeding in mice. *Brit J Cancer* 18:322-32, Jun 64
- Falconer IR, Falconer IR, Hetzel BS: Effect of emotional stress and TSH on thyroid vein hormone level in sheep with exteriorized thyroids. *Endocrinology* 75:42-8, Jul 64
- Falconer MA, Sanders MD, Falconer MA: Optic nerve compression by an intracranial meningioma. *Brit J Ophthalmol* 48:13-8, Jan 64
- Fales FW, Fales FW: Evaluation of procedures for urinary calcium. *Clin Chem* 10:549-58, Jun 64
- Falk HL, Epstein SS, Small M, Falk HL, Mantel N: On the association between photodynamic and carcinogenic activities in polycyclic compounds. *Cancer Res* 24:855-62, Jun 64
- Falk LA, Rapp F, Falk LA: Study of virulence and tumorigenicity of variants of herpes simplex virus. *Proc Soc Exp Biol Med* 116:361-5, Jun 64
- Falsetti HL, Falsetti HL, Naeye RL, Tabakin BS, Hanson JS: Uncomplicated total anomalous pulmonary venous return below the diaphragm. Report of a case. *Dis Chest* 46:102-6, Jul 64
- Faludi G, Padova J, Patchefsky A, Onesti G, Faludi G, Bendersky G: The effect of glucose loads on renal uric acid excretion in diabetic patients. *Metabolism* 13:507-12, Jun 64
- Fam A, Fam A: The problem of bilharzial ureter. *Brit J Urol* 36:211-9, Jun 64
- Falconi G, Falconi G: Die Hypothese einer Chromosomentranslokation zur Erklärung der Genetik der familiären konstitutionellen Panmyelopathie Typus Fanconi. *Helv Paediatr Acta* 19:29-33, Jun 64 (Ger)
- Farber S, Farber S, Vawter GF: Clinical pathological conference. The Children's Hospital Medical Center, Boston, Mass. *J Pediatr* 65:306-10, Aug 64
- Faretra G, Faretra G, Gozun C: The use of drug combinations in pediatric psychiatry. *Curr Ther Res* 6:340-3, May 64
- Farhi LE, Velasquez T, Farhi LE: Effect of negative-pressure breathing on lung mechanics and venous admixture. *J Appl Physiol* 19:665-71, Jul 64
- Farias CE, Amadio GE, Pérez JA, Caffure N, Farias CE, Caminos R: Comparative study between bacteriological findings in patients with pulmonary tuberculosis and bacteriology of surgically resected lung tissue. *Dis Chest* 46:37-41, Jul 64
- Farid Z, Farid Z, Bassily S, Omar MS: Ampicillin in treatment of Salmonella typhi carriers and Brucella melitensis septicemia. *Lancet* 2:763, 3 Oct 64
- Farmer MB, Farmer MB, Lehmann H, Raine DN: Two unrelated patients with congenital cyanosis due to haemoglobinopathy M. *Lancet* 2:786-9, 10 Oct 64
- Farnsworth DL, Farnsworth DL, Rome H: Leadership in community mental health. *JAMA* 190:159-63, 12 Oct 64
- Farrehi C, Farrehi C, Dotter CT, Griswold HE: Supravalvular aortic stenosis. Underdevelopment and characteristic facies. *Amer J Dis Child* 108:335-40, Oct 64
- Farrell FJ Jr, Fraser SD, Crudo FS Jr, Farrell FJ Jr: Buccal smears in the newborn female. *J Pediatr* 65:222-5, Aug 64
- Farrell MJ, Farrell MJ, Camougis G: Mechanical events of in vivo rabbit and cat spleen. *Amer J Physiol* 206:1275-8, Jun 64
- Farrier R, Baldwin M, Ommaya A, Farrier R, MacDonald F: Mesial cerebral incision. *J Neurosurg* 20:679-86, Aug 63
- Farrier R, Baldwin M, Farrier R, MacDonald F, Ommaya AK: Cerebral deposition of drugs at low temperatures. *J Neurosurg* 20:637-46, Aug 63
- Faucher GL, Desrosiers JA, Faucher GL: Uterosacral block: a new diagnostic procedure. *Obstet Gynec* 23:671-7, May 64
- Faulkin LJ Jr, Weiss DW, Faulkin LJ Jr, De Ome KB: Acquisition of heightened resistance and susceptibility to spontaneous mouse mammary carcinomas in the original host. *Cancer Res* 24:732-41, May 64
- Faura J, Reynafarje C, Ramos J, Faura J, Villavicencio D: Humoral control of erythropoietic activity in man during and after altitude exposure. *Proc Soc Exp Biol Med* 116:649-50, Jul 64
- Fautley R, Melrose DG, Bentall HH, McMillan IK, Fiege JB, Alvarez Diaz FR, Nahas RA, Fautley R, Carson J: The evolution of a mitral-valve prosthesis. *Lancet* 2:623-4, 19 Sep 64
- Fazekas G, Matsumoto PJ, Fazekas G, Gage AA: Arterial replacement by autogenous connective tissue tubes formed in polyurethane sponge. *Surg Forum* 15:72-3, 1964
- Fearnley ME, Fearnley ME, Rainer EH, Taverner D, Boyle TM,



# ABRIDGED INDEX MEDICUS

- Miles DW:** Cervical sympathetic block in treatment of Bell's palsy. A controlled trial. *Lancet* 2:725-7, 3 Oct 64
- Fechner PV**  
**Wolter JR, Pfister RR, Fechner PV:** Pathology of trabecular nerves in open-angle glaucoma. *Brit J Ophthalmol* 47:1-10, Jan 63
- Feder BH**  
**Feder BH, Blair PB:** Preoperative irradiation: evaluation by a simple experimental model. *Radiology* 83:111-9, Jul 64
- Feeney L**  
**Nakazumi Y, Hogan MJ, Feeney L:** The ultrastructure of Bruch's membrane. 3. The macular area of the human eye. *Arch Ophthalmol* (Chicago) 72:395-400, Sep 64
- Feichtmeir TV**  
**Fessel WJ, Feichtmeir TV, Spector DS:** What is the albumin level? A comparison of methods for albumin determination. *Arch Intern Med* (Chicago) 114:547-50, Oct 64
- Feigin I**  
**Freeman J, Feigin I:** Oligodendroglioma with 35-year survival. *J Neurosurg* 20:363-5, Apr 63
- Feld JR**  
**Feld JR, Higley GB Sr, DeSaussure RL Jr:** Ochronosis with ruptured lumbar disc: case report. *J Neurosurg* 20:348-51, Apr 63
- Feinberg LJ**  
**Sandberg H, Rezaei M, Bellet S, Feinberg LJ, Moliver S, Geibler L:** Fibrinolytic activity of human tissues from adult and infant cadavers. *J Lab Clin Med* 64:99-106, Jul 64
- Feindel W**  
**Feindel W:** Neurosurgical disorders affecting the hand. *Surg Clin N Amer* 44:1031-6, Aug 64
- Feinendegen LE**  
**Nielsen NO, Feinendegen LE, Bond VP, Odartchenko N, Cottler H:** In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. *Proc Soc Exp Biol Med* 116:498-501, Jun 64
- Feins NR**  
**Coomaraswamy RP, Del Guercio LR, Feins NR:** Gastroesophageal hemorrhage. *Surg Forum* 15:116-8, 1964
- Feins NR**  
**Del Guercio LR, Coomaraswamy RP, Feins NR, State D:** Bedside hemodynamic diagnosis of acute pulmonary embolism. *Surg Forum* 15:192-4, 1964
- Felwiel M**  
**Felwiel M:** Generalized morphea. *Proc Roy Soc Med* 57:517-8, Jun 64
- Fekete A**  
**Bálint P, Chátel R, Fekete A, Forgács I:** Haemodynamics and oxygen consumption of the kidney in post-lachemic renal failure. *Clin Sci* 26:471-7, Jun 64
- Feldman DJ**  
**Carlson KE, Alston W, Feldman DJ:** Electromyographic study of aging in skeletal muscle. *Amer J Phys Med* 43:141-5, Aug 64
- Feldman JD**  
**Najarian JS, Feldman JD:** Quantitative measurement of transplantation immunity. *Surg Forum* 15:127-8, 1964
- Feldman MP**  
**Feldman MP, MacCulloch MJ:** A systematic approach to the treatment of homosexuality by conditioned aversion: preliminary report. *Amer J Psychiat* 121:167-71, Aug 64
- Feldman PE**  
**Feldman PE, Frierson BD:** Dermatological and ophthalmological changes associated with prolonged chlorpromazine therapy. *Amer J Psychiat* 121:187-8, Aug 64
- Feller I**  
**Feller I, Kamel I:** Pseudomonas vaccine and hyperimmune plasma in the treatment of burned patients. *Surg Forum* 15:46-7, 1964
- Fellman JH**  
**Swank RL, Hissen W, Fellman JH:** 5-Hydroxytryptamine (serotonin) in acute hypotensive shock. *Amer J Physiol* 207:215-22, Jul 64
- Fellner CH**  
**Fellner CH, Levitt H:** A new approach to overweight. *Amer J Clin Nutr* 15:50-3, Jul 64
- Fennell RH Jr**  
**Essenfeld E, Fennell RH Jr:** Immunofluorescent study of experimental Trypanosoma cruzi infection. *Proc Soc Exp Biol Med* 116:728-30, Jul 64
- Fenton GW**  
**Richardson DW, Honour AJ, Fenton GW, Stott FH, Pickering GW:** Variation in arterial pressure throughout the day and night. *Clin Sci* 28:445-60, Jun 64
- Ferguson JL**  
**Crissey JT, Gordy E, Ferguson JL, Lyman RB Jr:** A new technique for the demonstration of skin temperature patterns. *J Invest Derm* 43:89-91, Aug 64
- Ferguson CF**  
**Flake CG, Ferguson CF:** Congenital choanal atresia in infants and children. *Ann Otol* 73:458-73, Jun 64
- Ferguson DJ**  
**Sulman D, Ferguson DJ:** Gastric freezing by alcohol perfusion. *Surg Forum* 15:325-7, 1964
- Ferguson RE**  
**Stern S, Ferguson RE, Rapaport E:** Reflex pulmonary vasoconstriction due to stimulation of the aortic body by nicotine. *Amer J Physiol* 208:1189-95, Jun 64
- Ferguson B**  
**Ferguson B:** The doctor and the soldier. *New Zealand Med J* 63:407-12, Jul 64
- Fernandes MV**  
**Love R, Fernandes MV, Koprowski H:** Cytochemistry of inclusion bodies in tissue culture cells infected with rabies virus. *Proc Soc Exp Biol Med* 116:580-3, Jul 64
- Fernandez AA**  
**Henry RJ, Fernandez AA, Berkman S:** Studies on the determination of bile pigments. VI. Urobilinogen in urine as urobilinogen-aldehyde. *Clin Chem* 10:440-6, May 64
- Fernandez C**  
**Fernandez C, Lindsay JR:** The vestibular Coriolis reaction. *Arch Otolaryng* (Chicago) 80:469-72, Oct 64
- Fernandez-Cano L**  
**Fernandez-Cano L, Menkin MF, Garcia CR, Rock J:** Refrigerant preservation of human spermatozoa. I. Factors influencing recovery in euspermic semen: clinical applications. *Fertil Steril* 15:390-406, Jul-Aug 64
- Ferrans VJ**  
**Ferrans VJ, Hibbs RG, Black WC, Weilbaecher DG:** Isoproterenol-induced myocardial necrosis. A histochemical and electron microscopic study. *Amer Heart J* 68:71-90, Jul 64
- Ferrall G**  
**Wood CD, Seager LD, Ferrall G:** Influence of autonomic blockade on aconitine induced pulmonary edema. *Proc Soc Exp Biol Med* 116:809-11, Jul 64
- Ferrier P**  
**Ferrier P, Widgren S, Ferrier S:** Nonspecific pseudohermaphroditism: report of two cases with cytogenetic investigations. *Helv Paediat Acta* 19:1-12, Jun 64
- Ferrier S**  
**Ferrier P, Widgren S, Ferrier S:** Nonspecific pseudohermaphroditism: report of two cases with cytogenetic investigations. *Helv Paediat Acta* 19:1-12, Jun 64
- Ferris BG Jr**  
**Ferris BG Jr, Frank NR:** Air pollution and disease. *Anesthesiology* 25:470-8, Jul-Aug 64
- Ferris BG Jr**  
**Ferris BG Jr, Mead J, Opie LH:** Partitioning of respiratory flow resistance in man. *J Appl Physiol* 19:653-8, Jul 64
- Ferris KP**  
**Ferris KP:** Foreign body in the sphenoid sinus. *J Laryng* 78:697-701, Jul 64
- Ferris PJ**  
**Streicher E, Ferris PJ, Prokop JD, Klatzo I:** [Brain volume and thiocyanate space in local cold injury. *Arch Neurol* (Chicago) 11:444-8, Oct 64
- Ferry AP**  
**Ferry AP:** Lesions mistaken for malignant melanoma of the posterior uvea. A clinicopathologic analysis of 100 cases with ophthalmoscopically visible lesions. *Arch Ophthalmol* (Chicago) 72:463-9, Oct 64
- Feruglio FS**  
**Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L:** Effect of drug infusion on the systemic and splanchnic circulation. I. Bradykinin infusion in normal subjects. *Clin Sci* 26:487-91, Jun 64
- Feruglio FS**  
**Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L:** Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. *Clin Sci* 26:493-8, Jun 64
- Fessel WJ**  
**Solomon GF, Moos RH, Stone GC, Fessel WJ:** Peripheral vasoconstriction induced by emotional stress in rats. *Angiology* 15:362-5, Aug 64
- Fessel WJ**  
**Fessel WJ, Feichtmeir TV, Spector DS:** What is the albumin level? A comparison of methods for albumin determination. *Arch Intern Med* (Chicago) 114:547-50, Oct 64
- Fetter BF**  
**Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI:** Clinical, morphological and biochemical studies on a malignant testicular tumor. *J Clin Endocr* 24:528-42, Jun 64
- Fetter TR**  
**Zimskind PD, Fetter TR, Davis DM, Friedman MH, Dworkin JV:** Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs. *Surg Forum* 15:496-7, 1964
- Ffooks OO**  
**Nutt AB, Ffooks OO:** Muscle clamp for use in recession of the inferior oblique. *Brit J Ophthalmol* 48:54, Jan 64
- Ffooks OO**  
**Ffooks OO:** Encanthosis. *Brit J Ophthalmol* 47:500-3, Aug 63
- Field AC**  
**Field AC:** Studies on magnesium in ruminant nutrition. 5. The indirect determination of the intake of magnesium, calcium and potassium by the grazing cow. *Brit J Nutr* 18:357-68, 1964
- Field EJ**  
**Field EJ, Caspary EA:** Behaviour of blood-platelets in multiple sclerosis. Some observations with a possible bearing on pathogenesis. *Lancet* 2:876-9, 24 Oct 64
- Field JB**  
**Kedes LH, Field JB:** Hypothermia. A clue to hypoglycemia. *New Eng J Med* 271:785-7, 8 Oct 64
- Field MH**  
**Stamp WG, Whitesides TE, Field MH, Scheer GE:** Treatment of vitamin-D resistant rickets. A long-term evaluation of its effectiveness. *J Bone Joint Surg [Amer]* 46:965-77, Jul 64
- Field WE**  
**Ball JK, Field WE, Roe FJ, Walters M:** The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. *Brit J Urol* 36:226-37, Jun 64
- Fielding J**  
**Fielding J, Brunström M:** Estimation of ferrioxamine and desferrioxamine in urine. *J Clin Pathol* 17:395-8, Jul 64
- Fielding LL**  
**Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI:** Clinical, morphological and biochemical studies on a malignant testicular tumor. *J Clin Endocr* 24:528-42, Jun 64
- Fields WS**  
**Weibel J, Fields WS:** Direct percutaneous intraclavicular catheterization of the subclavian artery. *J Neurosurg* 20:233-7, Mar 63
- Figueiras HD**  
**Marcelle NA, Valsecchi RM, Figueiras HD, Camberos HR, Varela JE:** Normal blood volumes in the horse. *Amer J Physiol* 207:223-7, Jul 64
- Figueroa JE**  
**Kolff WJ, Nakamoto S, Poutasse EF, Straffon RA, Figueroa JE:** Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. *Circulation* 30:Suppl 2:23-35, Aug 64
- Filkins JP**  
**Filkins JP, Murphy DL, Doty JM, Smith JJ:** Effect of phenoxymethylamine on phagocytic activity and shock mortality in the rat. *Proc Soc Exp Biol Med* 116:757-62, Jul 64
- Filla E**  
**Filla E, Comenale D, Rossi F:** La terapia chemio-antibiotica della tubercolosi nel diabetico e sue ripercussioni sul ricambio glucidico. *Minerva Med* 55:2417-22, 18 Aug 64 (It)
- Finatti AA**  
**Pazzanese D, Ramos OL, Lanfranchi W, Portugal OP, Finatti AA, Barreto HP, Sustovich DR:** Serum-lipid levels in a Brazilian Indian population. *Lancet* 2:615-7, 19 Sep 64
- Finby N**  
**Blasberg G, Edmunds RT, Finby N:** Effect of cholecystokinin on the normal common duct after cholecystectomy. *Surg Forum* 15:375-7, 1964
- Fincham EF**  
**Fincham EF:** Monocular diplopia. *Brit J Ophthalmol* 47:705-12, Dec 63
- Fine BS**  
**Zimmerman LE, Fine BS:** Production of hyaluronic acid by cysts and tumors of the ciliary body. *Arch Ophthalmol* (Chicago) 72:365-79, Sep 64
- Fine G**  
**Ullmann AS, Fine G, Johnson AJ:** Localized amyloidosis (amyloid tumor) of the urethra. *J Urol* 92:42-4, Jul 64
- Fink BR**  
**Fink BR:** The physiological diagnosis of acid-base disturbances of blood. *Proc Roy Soc Med* 57:603-6, Aug 64
- Finke J**  
**Heimpel H, Finke J, Keiderling W:** Die Bestimmung der Lebenszeit menschlicher Erythrozyten mit radioaktivem Disopropylfluorophosphat (DF32P) und ihre Anwendung in der Klinik. *Deutsch Med Wschr* 89:1463-9, 31 Jul 64 (Ger)
- Finland M**  
**Kislak JW, Eickhoff TC, Finland M:** Hospital-acquired infections and antibiotic usage in the Boston City Hospital-January, 1964. *New Eng J Med* 271:834-5, 15 Oct 64
- Finley RA**  
**Sievert HW, Finley RA:** Serum transaminase response to drum trauma in conditioned animals. *Proc Soc Exp Biol Med* 116:754-7, Jul 64
- Finnerty FA Jr**  
**Finnerty FA Jr:** Clinical hemodynamics and pharmacodynamics of toxemia. *Circulation* 30:Suppl 2:63-5, Aug 64
- Finnerty M**  
**Tassopoulos NM, Caylor GG, Finnerty M, Blaisdell WP, Williams GR:** The effect of total body perfusion on digitalis tolerance. *Dis Chest* 46:130-7, Aug 64
- Finnerty WR**  
**Finnerty WR, Kallio RE:** Origin of palmitic acid carbon in palmitates formed from hexadecane-1-C-14 and tetradecane-1-C-14 by *Micrococcus cerificans*. *J Bact* 87:1261-5, Jun 64
- Finney JW**  
**Urshel HC, Finney JW, Balla GA, Mallams JT:** Regional oxygenation of the ischemic myocardium with hydrogen peroxide. *Surg Forum* 15:273-4, 1964
- Finter NB**  
**Finter NB:** Protection of mice by interferon against systemic virus infections. *Brit Med J* 5415:981-5, 17 Oct 64
- Fischer-Williams M**  
**Fischer-Williams M, Telerman-Toppet N, Meyer JS:** Clinico-EEG correlation with arterial and jugular venous biochemical studies in acute neurological disorder. *Brain* 87:281-306, Jun 64
- Fischl RA**  
**Fischl RA:** "Pre-clinical" rather than "delay". *Brit J Plast Surg* 17:309-10, Jul 64
- Fiserova-Bergerova V**  
**Fiserova-Bergerova V:** Polarographic determination-cholesterase activity. *Arch Environ Health* (Chicago) 9:438-44, Oct 64
- Fisher B**  
**Fisher B:** An investigation of binocular hearing aids. *J Laryng* 78:658-68, Jul 64
- Fisher DH**  
**Woodring MJ, Fisher DH, Storvick CA:** A microprocedure for the determination of 4-pyridoxal acid in urine. *Clin Chem* 10:479-89, Jun 64
- Fisher H**  
**Fisher H, Kaunitz H:** Effects of medium- and long-chain saturated triglycerides on blood and liver cholesterol of chickens and rats. *Proc Soc Exp Biol Med* 116:278-80, Jun 64
- Fisher JW**  
**Fisher JW, Roh BL:** Influence of alkylating agents on kidney erythropoietin production. *Cancer Res* 24:983-8, Jul 64
- Fisher RG**  
**Birkenfeld R, Fisher RG:** Successful treatment of causalgia of upper extremity with medullary spinalhamic tractotomy. Case report and review of the literature. *J Neurosurg* 20:303-11, Apr 63
- Fisher RS**  
**Fisher RS:** Opportunities in forensic pathology. *Lab Invest* 13:647-52, Jun 64
- Fitch WM**  
**Fitch WM:** Studies on a cholinesterase of



# ABRIDGED INDEX MEDICUS

- Pseudomonas fluorescens*. 3. Acetyltransferase activity. *J Biol Chem* 239:1328-34, May 64
- Fitz-James P**  
**Fitz-James P**: Thin sections of dividing *Neisseria gonorrhoeae*. *J Bact* 87:1477-82, Jun 64
- Fitz-James P**  
**Fitz-James P**: Fate of the mesosomes of *Bacillus megaterium* during protoplasting. *J Bact* 87:1483-91, Jun 64
- Fitz-James P**  
**Fitz-James P**: Thin sections of dividing *Neisseria gonorrhoeae*. *J Bact* 87:1477-82, Jun 64
- Fitz-James P**  
**Fitz-James P**: Fate of the mesosomes of *Bacillus megaterium* during protoplasting. *J Bact* 87:1483-91, Jun 64
- Fitzmaurice MA**  
**Riley V, Loveless JD, Fitzmaurice MA**: Comparison of a lactate dehydrogenase elevating viruslike agent and *Eperythrozoon coccoides*. *Proc Soc Exp Biol Med* 116:486-90, Jun 64
- Flabbeau F**  
**Flabbeau F, Terquem J, Robin B**: Les hémobilies postopératoires. *Presse Med* 72:2381-4, 3 Oct 64 (Fr)
- Flack FC**  
**Caldwell KP, Flack FC**: Anal incontinence. *Lancet* 2:761-2, 3 Oct 64
- Flake CG**  
**Flake CG, Ferguson CF**: Congenital choanal atresia in infants and children. *Ann Otol* 73:458-73, Jun 64
- Flament-Durand J**  
**Flament-Durand J, Desclin L**: Observations concerning the hypothalamic control of pituitary luteotrophin secretion in the rat. *Endocrinology* 75:22-6, Jul 64
- Flanagan M**  
**Spiegel EA, Wycis HT, Szekeley EG, Adams DJ, Flanagan M, Baird HW 3d**: Campotomy in various extrapyramidal disorders. *J Neurosurg* 20:871-84, Oct 63
- Flavell Matts SG**  
**Wood WA, Walters G, Flavell Matts SG**: Urinary excretion of prednisolone after intrarectal therapy in ulcerative colitis. *Brit Med J* 5416:1045-6, 24 Oct 64
- Fliege JB**  
**Melrose DG, Bental HH, McMillan IK, Fliege JB, Alvarez Diaz FR, Nahas RA, Fautley R, Carson J**: The evolution of a mitral-valve prosthesis. *Lancet* 2:623-4, 19 Sep 64
- Fleming AF**  
**Fleming AF, Elliott BA**: Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. *Brit Med J* 5417:1108-11, 31 Oct 64
- Fleming AF**  
**Fleming AF, Elliott BA**: Serum enzyme tests for megaloblastic erythropoiesis in anaemia in pregnancy. *Brit Med J* 5417:1108-11, 31 Oct 64
- Fleming PR**  
**Fleming PR**: Hypertensive heart disease. *Practitioner* 193:27-34, Jul 64
- Fleming WH**  
**Gerst PH, Fleming WH, Malm JR**: Relationship between acidosis and ventricular fibrillation. *Surg Forum* 15:242-3, 1964
- Flenley DC**  
**Hutchinson DC, Flenley DC, Donald KW**: Controlled oxygen therapy in respiratory failure. *Brit Med J* 5418:1159-66, 7 Nov 64
- Flenley DC**  
**MacKenzie GJ, Flenley DC, Taylor SH, McDonald AH, Stanton HP, Donald KW**: Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. *Lancet* 2:825-32, 17 Oct 64
- Flescher J**  
**Akiyama Y, Parmelee AH Jr, Flescher J**: The electroencephalogram in visually handicapped children. *J Pediatr* 65:233-42, Aug 64
- Fletcher AP**  
**Sherry S, Alkjaersig N, Fletcher AP**: Assay of uronase preparations with the synthetic substrate acetyl-L-lysine methyl ester. *J Lab Clin Med* 64:145-53, Jul 64
- Fletcher E**  
**Detmer RA, Raush J, Fletcher E, Gordon AS**: Ideal wave form and characteristics for direct current defibrillators. *Surg Forum* 15:249-51, 1964
- Fletcher K**  
**Garrow JS, Fletcher K**: The total weight of mineral in the human infant. *Brit J Nutr* 18:409-12, 1964
- Fletcher TL**  
**Semb LS, Rheault MJ, Stevenson JK, Fletcher TL, Harkins HN, Nyhus LM**: A gastric inhibitory substance from dog antral juice. *Surg Forum* 15:319-21, 1964
- Fletcher WS**  
**Fletcher WS, Dennis DL**: Mechanism and site of action of radioactive phosphorus labeled stilbestrol on experimental hormone sensitive breast cancer. *Surg Forum* 15:358-60, 1964
- Flickinger CJ**  
**Huggins CE, Lane JM, Flickinger CJ**: Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. *Dis Chest* 46:42-5, Jul 64
- Flocks M**  
**Flocks M, Zweng HC**: Laser coagulation of ocular tissues. *Arch Ophthalmol (Chicago)* 72:604-11, Nov 64
- Flores M**  
**Flores M, García B, Flores Z, Lara MY**: Annual patterns of family and children's diet in three Guatemalan Indian communities. *Brit J Nutr* 18:281-93, 1964
- Flores Z**  
**Flores M, García B, Flores Z, Lara MY**: Annual patterns of family and children's diet in three Guatemalan Indian communities. *Brit J Nutr* 18:281-93, 1964
- Florida R**  
**Richards V, Braverman M, Florida R, Persidsky M, Lowenstein J**: Initial clinical experiences with liquid nitrogen preserved blood, employing PVP as a protective additive. *Amer J Surg* 108:313-22, Aug 64
- Florio A**  
**Billow BW, Thompson EA, Stern A, Florio A**: A clinical study of erythromycin: a comparative evaluation of several salts. *Curr Ther Res* 6:381-4, May 64
- Flory MD**  
**Flory MD, Symmes CB**: Academic and emotional problems of college women: low-effort and high-effort syndromes. *Psychiatry* 27:290-4, Aug 64
- Flotte CT**  
**Dritsas C, Flotte CT**: Use of hydrogen peroxide as a source of oxygenation in the perfusion of isolated organs. *Surg Forum* 15:275-7, 1964
- Fodor J**  
**Fabry P, Hejl Z, Fodor J, Braun T, Zvolankova K**: The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. *Lancet* 2:614-5, 19 Sep 64
- (Foerster O)**  
**(Foerster O), Bucy PC**: Tribute to Otfried Foerster. *J Neurosurg* 20:84-5, Jan 63
- Foft JW**  
**Foft JW, Romero PA**: The culture in vitro of lymphoid cells obtained from rabbit lymph nodes. *Lab Invest* 13:575-80, Jun 64
- Foggitt KD**  
**Foggitt KD**: Mydriasis and cycloplegia. *Brit J Ophthalmol* 47:253, Apr 63
- Fois A**  
**Fois A, Lecchini L**: Acute cerebellar ataxia associated with some features of the Hartnup Syndrome. Presentation of a case. *Helv Paediat Acta* 19:42-9, Jun 64
- Foides FF**  
**Duncalf D, Foides FF**: The use of radioiodinated serum albumin to confirm accidental intravascular insertion of epidural catheters. *Anesthesiology* 25:564-6, Jul-Aug 64
- Folkow B**  
**Folkow B, Oberg B, Rubinstein EH**: A proposed differentiated neuro-effector organization in muscle resistance vessels. *Angiologica (Basel)* 1:197-208, 1964
- Foltz EL**  
**Foltz EL, Shurtleff DB**: Five-year comparative study of hydrocephalus in children with and without operation (113 cases). *J Neurosurg* 20:1064-79, Dec 63
- Fonnesu A**  
**Guidotti GG, Fonnesu A, Ciaranfi E**: Inhibition of amino acid incorporation into protein of Yoshida ascites hepatoma cells by glyceraldehyde. *Cancer Res* 24:900-5, Jun 64
- Fontana AL**  
**Fontana AL, Simpson AJ**: Arrhenoblastoma. Review of the literature and report of a case. *Obstet Gynec* 23:730-4, May 64
- Foran R**  
**Chapman R, Foran R, Dunphy JE**: Management of intestinal fistulas. *Amer J Surg* 108:157-64, Aug 64
- Forbes GB**  
**Forbes GB, Crawford RA**: Papillary cystadenoma of lacrimal caruncle. *Brit J Ophthalmol* 47:177-9, Mar 63
- Forbes HA**  
**Rudolf ND, Forbes HA**: Sedentary leg-pain: ischaemia from narrowing on hip flexion of femoral arteries stiffened by atheroma. *Brit Med J* 5413:863, 3 Oct 64
- Forbes RM**  
**Forbes RM**: Mineral utilization in the rat. 3. Effects of calcium, phosphorus, lactose and source of protein in zinc-deficient and in zinc-adequate diets. *J Nutr* 83:225-33, Jul 64
- Forbes TR**  
**Petrelli EA, Forbes TR**: Toxicity of progesterone to mouse fetuses. *Endocrinology* 75:145-6, Jul 64
- Force EE**  
**Force EE, Stewart RC**: Effect of 5-iodo-2'-deoxyuridine on multiplication of Rous sarcoma virus in vitro. *Proc Soc Exp Biol Med* 116:803-6, Jul 64
- Ford H**  
**Ford H, Kirsner JB**: "Auer colitis" in rabbits induced by intrarectal antigen. *Proc Soc Exp Biol Med* 116:745-8, Jul 64
- Ford JE**  
**Ford JE**: A microbiological method for assessing the nutritional value of proteins. 3. Further studies on the measurement of available amino acids. *Brit J Nutr* 18:449-60, 1964
- Ford LE**  
**Ford LE, McLaurin RL**: Mechanisms of extradural hematomas. *J Neurosurg* 20:760-9, Sep 63
- Ford M**  
**Ford M, Sarwar M**: Features of a clinically normal optic disc. *Brit J Ophthalmol* 47:50-2, Jan 63
- Fordtran JS**  
**Fordtran JS, Scroggie WB, Polter DE**: Colonic absorption of tryptophan metabolites in man. *J Lab Clin Med* 64:125-32, Jul 64
- Forgács I**  
**Bálint P, Chátel R, Fekete A, Forgács I**: Haemodynamics and oxygen consumption of the kidney in post-ischaemic renal failure. *Clin Sci* 26:471-7, Jun 64
- Forleo R**  
**Forleo R, Collins WP**: Some aspects of steroid biosynthesis in human ovarian tissue. *Acta Endocr (Copenhagen)* 46:285-78, Jun 64
- Forman DT**  
**Forman DT**: Determination of iron in serum using solvent extraction. *Amer J Clin Path* 42:103-8, Jul 64
- Forman DT**  
**Forman DT**: Rapid determination of plasma ammonia by an ion-exchange technic. *Clin Chem* 10:497-508, Jun 64
- Formato AA**  
**Crocco JA, Formato AA**: Gross hematuria as a presenting manifestation of Reiter's syndrome in a woman. *J Urol* 92:45-6, Jul 64
- Forrest AP**  
**Harden RM, Forrest AP**: Cushing's syndrome with atypical biochemical results. *Acta Endocr (Copenhagen)* 46:256-64, Jun 64
- Forsham PH**  
**Bower BF, Mason DM, Forsham PH**: Bronchogenic carcinoma with inappropriate antidiuretic activity in plasma and tumor. *New Eng J Med* 271:934-8, 29 Oct 64
- Forster FM**  
**Forster FM, Campos GB**: Conditioning factors in stroboscopic-induced seizures. *Epilepsia (Amst)* 5:156-65, Jun 64
- Forster RE**  
**Hyde RW, Lawson WH, Forster RE**: Influence of carbon dioxide on pulmonary vasculature. *J Appl Physiol* 19:734-44, Jul 64
- Fort L 3d**  
**Buckley MJ, McLaughlin JS, Fort L 3d, Saigusa M, Morrow DH**: Effects of anesthetic agents on pulmonary vascular resistance during hypoxia. *Surg Forum* 15:183-4, 1964
- Foster JH**  
**Foster JH, Jolly PC, Carlisle BB, Younger RK**: Ammonia metabolism with variations in portal venous diversion. *Surg Forum* 15:105-8, 1964
- Foster JH**  
**Foster JH, Killen DA, Sessions RT, Rhea GW, Winfrey EW 3d, Collins HA**: The relative toxicity of angiographic contrast media. *Vasc Dis* 1:8-20, Jan 64
- Foucault JP**  
**Soulé P, Dubost C, Acar J, Degeorges M, Foucault JP**: Les insuffisances aortiques à symptomatologie angineuse. Leur traitement chirurgical. (A propos de cinq observations) *Presse Med* 72:2307-12, 26 Sep 64 (Fr)
- Fouk WT**  
**Schoenfeld LJ, Fouk WT, Butt HR**: Studies of sulfobromophthalein sodium (BSP) metabolism in man. I. In normal subjects and patients with hepatic disease. *J Clin Invest* 43:1409-18, Jul 64
- Fouk WT**  
**Schoenfeld LJ, Fouk WT**: Studies of sulfobromophthalein sodium (BSP) metabolism in man. II. The effect of artificially induced fever, norethandrolone (Nilevar), and iopanoic acid (Telapaque). *J Clin Invest* 43:1419-23, Jul 64
- Fouk WT**  
**Schoenfeld LJ, McGill DB, Fouk WT**: Studies of sulfobromophthalein sodium (BSP) metabolism in man. 3. Demonstration of a transport maximum (Tm) for biliary excretion of BSP. *J Clin Invest* 43:1424-32, Jul 64
- Fouk WT**  
**Metge WR, Owen CA Jr, Fouk WT, Hoffmann HN 2d**: Bilirubin glucuronyl transferase activity in liver disease. *J Lab Clin Med* 64:89-98, Jul 64
- Fowler AV**  
**Fowler AV, Camien MN, Dunn MS**: Bound intracellular glycolic and D-lactic acids in *Mycobacterium ranae*. *J Bact* 87:1528-9, Jun 64
- Fowler KT**  
**Read DJ, Maloney JE, Fowler KT**: Reproducibility of transient response to CO<sub>2</sub> inhalation in man. *J Appl Physiol* 19:750-4, Jul 64
- Fowler KT**  
**Read J, Fowler KT**: Effect of exercise on zonal distribution of pulmonary blood flow. *J Appl Physiol* 19:672-8, Jul 64
- Fowler WS**  
**Duvoisin GE, Fowler WS, Payne WS, Ellis FH Jr**: Reimplantation of the dog lung with survival after contralateral pneumonectomy. *Surg Forum* 15:173-5, 1964
- Fox FW**  
**Fox FW**: Uncertainties that hinder the accurate determination of the nutritional value of a diet. *S Afr Med J* 38:688-73, 22 Aug 64
- Fox H**  
**Taylor-Robinson D, Canchola J, Fox H, Chanock RM**: A newly identified oral mycoplasma (*M. orale*) and its relationship to other human mycoplasmas. *Amer J Hyg* 80:135-48, Jul 64
- Fox H**  
**Fox H, Butler-Manuel R**: A teratoma of the placenta. *J Path Bact* 88:137-40, Jul 64
- Fox JJ**  
**Lyons GW, Nicoloff DM, Chevalier P, Fox JJ**: Systemic hypotension by polybasic polymers. *Surg Forum* 15:95-7, 1964
- Fox JA**  
**Ikram H, Nixon PG, Fox JA**: The haemodynamic implications of the bisferiens pulse. *Brit Heart J* 26:452-9, Jul 64
- Fox LM**  
**Margileth AM, Fox LM**: Coarctation of the aorta. Diagnostic and surgical problems. *Arch Surg (Chicago)* 89:741-51, Oct 64
- Fox MR**  
**Fox MR, Harrison BN**: Use of Japanese quail for the study of zinc deficiency. *Proc Soc Exp Biol Med* 116:256-9, Jun 64
- Fox SA**  
**Fox SA**: Repair of senile entropion. *Arch Ophthalmol (Chicago)* 72:501-2, Oct 64
- Fox SA**  
**Fox SA**: The handling of eye injuries. *J Int Coll Surg* 42:410-1, Oct 64
- Foy H**  
**Foy H, Kandi A, Mbaya V**: Effect of riboflavin deficiency on bone marrow function and protein metabolism in baboons. Preliminary report. *Brit J Nutr* 18:307-18, 1964
- Fralei EE**  
**Clouse ME, Fralei EE, Litwin SB**: Lymphangiographic criteria for diagnosis of retroperitoneal fibrosis. *Radiology* 63:1-5, Jul 64
- Frampton EW**  
**Frampton EW**: Synthesis of ribonucleic acid by x-irradiated bacteria. *J Bact* 87:1369-76, Jun 64
- Frampton J**



# ABRIDGED INDEX MEDICUS

- Frampton J, Lee Y: Is Haemophilus vaginalis a pathogen in the female genital tract? J Obstet Gynaec Brit Comm 71:436-42, Jun 64
- Franca LC, Tenuto RA, Canelas HM, Cruz OR, Franca LC: Trigeminal neuralgia caused by cysticercosis of the cavum meckelli: report of two cases. J Neurosurg 20:169-71, Feb 63
- Francis RC, Francis RC: An unusual case of shoulder dystocia. J Obstet Gynaec Brit Comm 71:637-9, Aug 64
- Francis WJ, Francis WJ: Female genital tuberculosis. A review of 135 cases. J Obstet Gynaec Brit Comm 71:418-28, Jun 64
- François J, François J: Malignant melanomata of the choroid. Brit J Ophthalmol 47:736-43, Dec 63
- Frank ED, Frank ED: Hazards to health: the motor scooter. New Eng J Med 271:836, 15 Oct 64
- Frank HA, Roy AJ, Lambert PB, Frank HA: Immediate responses of collateral vessels to abrupt arterial occlusion. Amer J Physiol 206:1299-303, Jun 64
- Frank M, Frank M, Atsmon A, De Vries A, Lazebnik J: Hyperparathyroidism and uric acid lithiasis: a report of two cases. Brit J Urol 36:184-6, Jun 64
- Frank M, Barzel US, Sperling O, Frank M, De Vries A: Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. J Urol 92:1-5, Jul 64
- Frank NR, Ferris BG Jr, Frank NR: Air pollution and disease. Anesthesiology 25:470-8, Jul-Aug 64
- Frank PF, Rytel MW, Conner GH, Welch CC, Kraybill WH, Edwards EA, Rosenbaum MJ, Frank PF, Miller LF: Infectious agents associated with cylindrical bronchiectasis. Dis Chest 46:23-8, Jul 64
- Frank RM, Frank RM, Dreyfuss F: Etude microradiographique de l'os pagétique. Presse Med 72:2291-4, 23 Sep 64 (Fr)
- Frankland AW, Frankland AW, Evans RG, Macaulay DB, Edwards JW: Hay fever treated by repository injections. Practitioner 193:71, Jul 64
- Franzen J, Mueller H, Franzen J, Rice RV, Olson RE: Characterization of cardiac myosin from the dog. J Biol Chem 239:1447-56, May 64
- Franzoni KT, Donnelly JP, Franzoni KT: Uterine rupture. A 30-year survey. Obstet Gynec 23:774-7, May 64
- (Fraser F), (Fraser F): Sir Francis Fraser. Brit Med J 5414:950-1, 10 Oct 64
- (Fraser FR), (Fraser FR): Francis Richard Fraser. Lancet 2:867-9, 17 Oct 64
- Fraser G, Fraser G: The effect on animal erythrocytes of combinations of diffusible substances produced by bacteria. J Path Bact 88:43-53, Jul 64
- Fraser HF, Martin WR, Eades CG, Fraser HF, Wikler A: Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics. J Pharmacol Exp Ther 144:8-11, Apr 64
- Fraser R, Scott DJ, Dollery CT, Hill DW, Hodge JV, Fraser R: Fluorescein studies of the retinal circulation in diabetics. Brit J Ophthalmol 47:588-9, Oct 63
- Fraser SD, Fraser SD, Crudo FS Jr, Farrell FJ Jr: Buccal smears in the newborn female. J Pediatr 65:222-5, Aug 64
- Fratantoni JC, Askari A, Fratantoni JC: Effect of Na<sup>+</sup> and K<sup>+</sup> on the adenylate kinase of human erythrocytes. Proc Soc Exp Biol Med 116:751-3, Jul 64
- Frazee WH Jr, Frazee WH Jr, Hume WG, Linch AL, Wetherhold JM: Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. Arch Environ Health (Chicago) 9:478-91, Oct 64
- Freedland RA, Freedland RA: Urea cycle adaptations in intact and adrenalectomized rats. Proc Soc Exp Biol Med 116:692-6, Jul 64
- Freedman BJ, Freedman BJ: Papilloedema, optic atrophy, and blindness due to emphysema and chronic bronchitis. Brit J Ophthalmol 47:290-4, May 63
- Freeman A, Tidwell HC, McPherson JC, Moore WT, Pope JL, Freeman A: Lipolytic activity in the blood after lipase ingestion. Proc Soc Exp Biol Med 116:720-3, Jul 64
- Freeman AE, Freeman AE, Ward TG, Wolford RG: A simplified method for the cloning of heteroploid and diploid mammalian cells. Proc Soc Exp Biol Med 116:339-43, Jun 64
- Freeman BA, Hines WD, Freeman BA, Pearson GR: Fine structure of Brucella suis spheroplasts. J Bact 87:1492-8, Jun 64
- Freeman BM, Freeman BM, Chubb LG: Effect of Salmonella gallinarum on certain Krebs cycle intermediates of domestic fowl. J Bact 88:93-5, Jul 64
- Freeman HM, Pomerantseff O, Schepens CL, Freeman HM: Studies in photocoagulation. I. The photocoagulating beam. Brit J Ophthalmol 48:298-305, Jun 64
- Freeman JJ, Hill R, Freeman JJ, Michel I, Borman A: Characterization of a transplantable lactating mammary tumor: endocrinological, morphological, and biochemical aspects. Cancer Res 24:812-23, Jun 64
- Freeman JJ, Hill R, Iovino AJ, Michel I: Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Endocrinology 74:990-3, Jun 64
- Freeman L, Freeman L, Feigin I: Oligodendroglioma with 35-year survival. J Neurosurg 20:363-5, Apr 63
- Freeman WJ, Biedenbach MA, Freeman WJ: Click-evoked potential map from the superior olivary nucleus. Amer J Physiol 206:1408-14, Jun 64
- Fregly MJ, Fregly MJ, Taylor RE Jr: Effect of thyroxine on intake and loss of sodium by propylthiouracil-treated rats. Endocrinology 75:27-32, Jul 64
- Fregly MJ, Taylor RE Jr, Fregly MJ: Renal response of propylthiouracil-treated rats to injected mineralocorticoids. Endocrinology 75:33-41, Jul 64
- Fregnan GB, Smith DW, Fregnan GB, De Laquerriere L, Valdivia E: Induction of acquired resistance in guinea pigs with defatted Mycobacterium tuberculosis vaccines. J Bact 88:87-92, Jul 64
- Frei E 3d, Bono VH Jr, Weissman SM, Frei E 3d: The effect of 6-azauridine administration on de novo pyrimidine production in chronic myelogenous leukemia. J Clin Invest 43:1486-94, Jul 64
- Frei JV, Frei JV: Chemically induced regressing experimental epidermal tumors in mice. Cancer Res 24:1083-4, Jul 64
- Freinkel N, Arky RA, Freinkel N: Alcohol hypoglycemia. Effects of ethanol on plasma 3. Glucose, ketones, and free fatty acids in "juvenile" diabetics: a model for "nonketotic diabetic acidosis"? Arch Intern Med (Chicago) 114:501-7, Oct 64
- Freinkel N, Freinkel N, Goodner CJ: Inhibition of insulin degradation by fractions of non-diabetic sera. Lancet 2:646-7, 19 Sep 64
- Freinkel N, Arky RA, Freinkel N: The response of plasma human growth hormone to insulin and ethanol-induced hypoglycemia in two patients with "isolated adrenocorticotrophic defect". Metabolism 13:547-50, Jun 64
- Freinkel N, Bleicher SJ, O'Sullivan JB, Freinkel N: Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. New Eng J Med 271:866-72, 22 Oct 64
- Freinkel RK, Freinkel RK: An in vitro effect of insulin on the preputial gland. Proc Soc Exp Biol Med 116:680-2, Jul 64
- French EB, Cameron EA, French EB: Prolonged arteriospasm after ergotamine. Brit Med J 5413:875-6, 3 Oct 64
- French LA, Bradley WE, Chon SN, French LA: Further experience with the radio transmitter receiver unit for the neurogenic bladder. J Neurosurg 20:953-60, Nov 63
- Frenkel M, Frenkel M, Krill AR: Effects of two mineralocorticoids on ocular tension. Arch Ophthalmol (Chicago) 72:315-8, Sep 64
- Freund F, Freund F, Roos A, Dood RB: Expiratory activity of the abdominal muscles in man during general anesthesia. J Appl Physiol 19:693-7, Jul 64
- Freundlich D, Wortis J, Freundlich D: Psychiatric work therapy in the Soviet Union. Amer J Psychiat 121:123-8, Aug 64
- Freygang WH Jr, Freygang WH Jr: Circuit for estimating the electrical waveform across somatic membrane of nerve cells from extracellular recordings. Electroenceph Clin Neurophysiol 16:619-20, Jun 64
- Frezal J, Auricchio S, Rubino A, Prader A, Rey J, Jos J, Frezal J: Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. Lancet 2:914, 24 Oct 64
- Frezal J, Royer P, Frezal J, Hamburger J, Netter A, Pequignot H: Comment traiter les retards de croissance. Presse Med 72:2161-4, 12 Sep 64 (Fr)
- Frezal J, Frezal J, Alagille D, Derot M, Hamburger J, Netter A, Royer P, Pequignot H: Comment reconnaître et traiter une glycogénose hépatique. Presse Med 72:2342-5, 26 Sep 64 (Fr)
- Frick MH, Frick MH, Somer T: Base-line effects on response of stroke volume to leg exercise in the supine position. J Appl Physiol 19:639-43, Jul 64
- Friedberg CK, Friedberg CK, Lasser RP, Allen DF, Furst SE, Gabor GE: Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies. Circ Res 15:1-10, Jul 64
- Friedberg SJ, Bressler R, Friedberg SJ: The effect of carnitine on the rate of palmitate incorporation into mitochondrial phospholipids. J Biol Chem 239:1364-8, May 64
- Friede RL, Friede RL: Alexander's disease. Arch Neurol (Chicago) 11:414-22, Oct 64
- Friedell GH, Soergel KH, Friedell GH: Nonspecific effects of liver extract-adjutant injection in guinea pigs. A morphologic and immunologic study. J Lab Clin Med 64:51-9, Jul 64
- Friedell MT, Friedell MT: Radioactive iodine and surgery of the thyroid. J Amer Geriatr Soc 12:737-48, Aug 64
- Friedlaender AS, Friedlaender AS: Observations on basophil degranulation as an indicator of antigen-antibody reaction. J Allergy 35:361-70, Jul-Aug 64
- Friedlaender S, Friedlaender AS: Observations on basophil degranulation as an indicator of antigen-antibody reaction. J Allergy 35:361-70, Jul-Aug 64
- Friedler RM, Earley LE, Friedler RM: Renal tubular effects of ethacrynic acid. J Clin Invest 43:1495-506, Jul 64
- Friedman AP, Friedman AP: Reflection on the problem of headache. JAMA 190:445-7, 2 Nov 64
- Friedman EA, Little WA, Friedman EA: Significance of the placental position. A report from the collaborative study of cerebral palsy. Obstet Gynec 23:804-9, May 64
- Friedman HP, Rabinovitch J, Harandian B, Friedman HP, Arlen M, Rabinovitch P: Congenital anomalies of the cystic duct. J Int Coll Surg 42:372-8, Oct 64
- Friedman I, Lundstedt S, Mering O von, Hinko EN: Systematic underestimation in reported mental hospital readmission rates. Amer J Psychiat 121:148-52, Aug 64
- Friedman I, Kobayashi GS, Friedman L: Falsely positive pyrogenic responses induced in rabbits by latex particles. Proc Soc Exp Biol Med 116:716-8, Jul 64
- Friedman MH, Zimskind PD, Fetter TR, Davis DM, Friedman MH, Dwoskin JY: Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs. Surg Forum 15:496-7, 1964
- Friedman RM, Friedman RM: Inhibition of established tuberculin hypersensitivity by methotrexate. Proc Soc Exp Biol Med 116:471-5, Jun 64
- Friedman S, Oltman JE, Friedman S: Further report on protein-bound iodine in patients receiving perphenazine. Amer J Psychiat 121:176-8, Aug 64
- Friend DW, Friend DW, Cunningham HM: Effects of feeding frequency on metabolism, rate and efficiency of gain and on carcass quality of pigs. J Nutr 83:251-6, Jul 64
- Frierson BD, Feldman PE, Frierson BD: Dermatological and ophthalmological changes associated with prolonged chlorpromazine therapy. Amer J Psychiat 121:187-8, Aug 64
- Friis T, Dyrbye MO, Peitersen E, Friis T: Diagnostic value of 131-I in thyroid disorders. A study of 649 patients. Acta Med Scand 176:91-101, Jul 64
- Friis T, Krosgaard AR, Friis T: Isotope nephrography with 131-I "hippuran". I. Technique and experience in various medical renal diseases. Acta Med Scand 176:17-29, Jul 64
- Friis T, Friis T, Krosgaard AR: Isotope nephrography with 131-I "hippuran". II. Experience in arterial hypertension with a particular view to renal artery stenosis. Acta Med Scand 176:31-43, Jul 64
- Fritel D, Milliez P, Fritel D, Rey LP: Essai clinique d'une médication hypotensive: l'alpha-méthyl 3, 4-dihydroxyphénylalanine ou Métyldopa. Presse Med 72:2519-20, 17 Oct 64 (Fr)
- Fritz IB, Fritz IB: Carnitine effects on palmitate-I-C-14 conversion to CO<sub>2</sub> and glycerides by various tissues. Amer J Physiol 206:1217-22, Jun 64
- Fröberg S, Fröberg S, Öro L: The effect of carotid occlusion and central vagal stimulation on the free fatty acids of plasma and the blood pressure in the dog. Acta Med Scand 176:65-71, Jul 64
- Frohlich ED, Gillenwater JY, Frohlich ED, Keller AD: Differential effects of heat on splenic and renal vascular beds. Amer J Physiol 207:133-6, Jul 64
- Froment R, Wertheimer P, Froment R, Descotes J, Site J, Weber B: Exiguïté artérielle constitutionnelle: facteur probable de thrombo-artériose du type Buerger. Presse Med 72:2259-64, 23 Sep 64 (Fr)
- Fromm HJ, Zewe V, Fromm HJ, Fabiano R: The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction. J Biol Chem 239:1625-34, May 64
- Froněk A, Gans V, Hlavová A, Froněk A, Linhart J, Přerovský I: Measurement of blood flow in the femoral artery in man at rest and during exercise by local thermodilution. Circulation 30:86-9, Jul 64
- Frost BM, Frost BM, Valiant ME: An evaluation of cephalosporin derivatives in vitro and in experimental infections. J Path Bact 88:125-36, Jul 64
- Frost HM, Takahashi H, Epker B, Frost HM: Resorption precedes formative activity. Surg Forum 15:437-8, 1964
- Fry J, Fry J: General practice to-morrow. Brit Med J 5416:1064-7, 24 Oct 64
- Fry J, Fry J, Dillane JB: Too much work? Proposal based on



# ABRIDGED INDEX MEDICUS

- a review of fifteen years' work in practice.  
Lancet 2:832-4, 19 Sep 64
- Fry P**  
Fry P, Harkness ML, Harkness RD: Mechanical properties of the collagenous framework of skin in rats of different ages.  
Amer J Physiol 206:1425-9, Jun 64
- Fry WJ**  
Harrison TS, Turcotte J, Fry WJ, De Weese MS: Illofemoral occlusive disease associated with aneurysms of the abdominal aorta.  
New Eng J Med 271:985-9, 5 Nov 64
- Fuchs AR**  
Fuchs AR: Effect of intra-amniotic administration of progesterone and 6-methyl-17-acetoxy-progesterone on oxytocin-induced labour in rabbits.  
Acta Endocr (Kobenhavn) 46:235-44, Jun 64
- Fucugauchi ME**  
Cuaron A, Fucugauchi ME: The binding of 131-I-triiodothyronine by serum proteins as an in vitro test of thyroid function.  
Acta Endocr (Kobenhavn) 46:181-9, Jun 64
- Fugmann RA**  
Martin DS, Hayworth P, Fugmann RA, English R, McNeill HW: Combination therapy with cyclophosphamide and zymosan on a spontaneous mammary cancer in mice. Cancer Res 24:652-4, May 64
- Fujimoto M**  
Fujimoto M, Nash FD, Kessler RH: Effects of cyanide, Qo, and dinitrophenol on renal sodium reabsorption and oxygen consumption.  
Amer J Physiol 206:1327-32, Jun 64
- Fujino T**  
Nagashima C, Nakashio K, Fujino T: Meningioma and astrocytoma adjacent in the brain.  
J Neurosurg 20:995-9, Nov 63
- Fujita K**  
Nakamura RM, Kunitake GM, Fujita K, Reilly EB: Plasma-fibrinogen levels after long-term warfarin therapy. Lancet 2:821-2, 10 Oct 64
- Fujita T**  
Yoshikawa S, Kawabata M, Hattuyama Y, Hosokawa O, Fujita T: Atypical vitamin-D resistant osteomalacia. Report of a case.  
J Bone Joint Surg [Amer] 46:998-1007, Jul 64
- Fuller KM**  
Fuller KM, Munro RR: Lymphatic drainage of bone marrow. Aust New Zeal J Surg 34:11-4, Aug 64
- Fuller L**  
Dietrich LS, Fuller L: Nicotinamide adenine dinucleotide synthesis in ascites cells in vitro. J Biol Chem 239:1653-5, May 64
- Fulton JD**  
Fulton JD, Voller A: Evaluation of immunofluorescent and direct agglutination methods for detection of specific toxoplasma antibodies. Brit Med J 5418:1173-5, 7 Nov 64
- Fulton JE Jr**  
Fulton JE Jr, Derbes VJ: Basophil leukocyte infiltration in the positive tuberculin skin test in man. J Invest Derm 43:125-8, Aug 64
- Funder J**  
Wleth JO, Funder J, Brun C: Dialyzable poisons: in vitro efficacy of a modified Skeggs-Leonards hemodialyzer with a comparison to clinical results. J Lab Clin Med 84:60-71, Jul 64
- Funes JF**  
Parisier HE, Houssay AB, Zapata AC, Valera AC, Funes JF: 1-131-uptake in cervical mucus during the menstrual cycle. Fertil Steril 15:433-9, Jul-Aug 64
- Furchner JE**  
Furchner JE, Trafton GA, Richmond CR: Distribution of cesium-137 after chronic exposure in dogs and mice.  
Proc Soc Exp Biol Med 116:375-8, Jun 64
- Furcolow ML**  
Smith CD, Ritter R, Larsh HW, Furcolow ML: Infection of white swiss mice with airborne Cryptococcus neoformans. J Bact 87:1364-8, Jun 64
- Furez J**  
Furez J, Armstrong RE, Yarosh W, Nagler FP: Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 1 strains.  
Amer J Hyg 80:45-54, Jul 64
- Furez J**  
Furez J, Armstrong RE, Moreau P, Nagler FP: Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. II. Studies on type 3 strains.  
Amer J Hyg 80:55-61, Jul 64
- Furman S**  
Furman S, Escher JW, Schwedel JW, Solomon N, Rubinstein B: Motion factors producing breaks in implanted cardiac pacemaker leads.  
Surg Forum 15:248-9, 1964
- Furness SB**  
Furness SB: Effects of dietary fats on plasma-lipid levels. Lancet 2:689-90, 20 Sep 64
- Furst C**  
Rooth G, Furst C: The relation between hypotassasemia and alkalosis during administration of polythiazide and chlorthalidone.  
Acta Med Scand 176:51-7, Jul 64
- Furst SE**  
Friedberg CK, Lasser RP, Allen DF, Furst SE, Gabor GE: Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies.  
Circ Res 15:1-10, Jul 64
- Furth J**  
Yokoro K, Kunii A, Furth J, Durbin FW: Tumor induction with astatine-211 in rats: characterization of pituitary tumors. Cancer Res 24:663-8, May 64
- Furth J**  
Moy P, Sinha M, Sinha D, Furth J: Specific immunoprecipitation of mouse thyrotropins in plasma and thyrotropic tumor extracts.  
Proc Soc Exp Biol Med 116:643-6, Jul 64
- Gabor GE**  
Friedberg CK, Lasser RP, Allen DF, Furst SE, Gabor GE: Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies.  
Circ Res 15:1-10, Jul 64
- Gafni J**  
Heller H, Missmahl HP, Sohar E, Gafni J: Amyloidosis: its differentiation into perireticulin and peri-collagen types. J Path Bact 88:15-34, Jul 64
- Gage AA**  
Matsumoto PJ, Fazekas G, Gage AA: Arterial replacement by autogenous connective tissue tubes formed in polyurethane sponge.  
Surg Forum 15:72-3, 1964
- Gagnon JA**  
Murphy A, Gagnon JA: The alterations in glomerular filtration rate, osmolar, and free water clearance during mannitol osmotic diuresis.  
J Urol 92:17-24, Jul 64
- Gago O**  
Archer FL, Gago O, Delgado E, Kolb LW, Adams WE: Histologic pattern in the auto- and homotransplanted dog lung. Surg Forum 15:154-6, 1964
- Gajdos A**  
Gajdos A: Le role des acides nucléiques dans le mécanisme de la biosynthèse des protéines.  
Presse Med 72:2101-5, 28 Aug 64 (Fr)
- Gajdos A**  
Gajdos A: Le role des acides nucléiques dans le mécanisme de la biosynthèse des protéines (II)  
Presse Med 72:2137-41, 12 Sep 64 (Fr)
- Gajdusek DC**  
Neumann MA, Gajdusek DC, Zigas V: Neuropathologic findings in exotic neurologic disorders among natives of the highlands of New Guinea. J Neuropath Exp Neurol 23:486-507, Jul 64
- Gala RR**  
Gala RR, Reece RP: In vitro lactogen production by anterior pituitaries from lactating rats and estrous cyclic rats. Proc Soc Exp Biol Med 116:637-41, Jul 64
- Galambos JT**  
Schiant RC, Galambos JT: Autoradiographic demonstration of ingested cholesterol-4-C-14 in the normal and atheromatous aorta.  
Amer J Path 44:877-87, Jun 64
- Gale GR**  
Gale GR, Kendall SM, McLain HH, DuBois S: Effect of hydroxyurea on Pseudomonas aeruginosa.  
Cancer Res 24:1012-20, Jul 64
- Galen C**  
(Galen C), Ross JA: Galen.  
Proc Roy Soc Med 57:879-81, Aug 64
- Galin MA**  
Mestre C, Galin MA, McLean JM: Evaluation of sustained-release acetazolamide.  
Brit J Ophthalmol 47:31-5, Jan 63
- Gallager HS**  
Healey JE Jr, McBride CM, Gallager HS: Is serosa-to-serosa approximation necessary in intestinal anastomosis? Surg Forum 15:297-9, 1964
- Gallagher NI**  
Lewis JP, Gallagher NI, Carmody SE, Lange RD: Erythropoietic activity in human urine concentrate. Proc Soc Exp Biol Med 116:742-5, Jul 64
- Galletti PM**  
Brinsfield D, Hopf MA, Mayer SE, Galletti PM: Body fluids and electrolytes after prolonged cardiopulmonary bypass.  
J Appl Physiol 18:566-70, Jul 64
- Galli G**  
Chiappa S, Galli G, Palmia C: Observations on intralymphatic radiotherapy and general chemotherapy. Clin Radiol 15:202-9, Jul 64
- Galloway JR**  
Galloway JR, Greitz T, Sjögren SE: Vertebral angiography in the diagnosis of ventricular dilatation. Acta Radiol [Diagn] (Stockholm) 2:321-33, Jul 64
- Galloway NC**  
Galloway NC, Patterson RM, Ray CT: Hypokalemic nephropathy of vomiting.  
Southern Med J 57:1303-8, Nov 64
- Gambill EE**  
Gambill EE: Problem of the detection of pancreatitis. JAMA 190:537-8, 9 Nov 64
- Gamboa R**  
Gamboa R, Hugenholz PG, Nadas AS: Accuracy of the phonocardiogram in assessing severity of aortic and pulmonic stenosis. Circulation 30:35-48, Jul 64
- Gandevia B**  
Gandevia B, Tovell A: The first Australian medical libraries. Med J Aust 2:314-20, 22 Aug 64
- Ganière P**  
Ganière P: Les origines de l'Académie de Médecine. Presse Med 72:2303-6, 23 Sep 64 (Fr)
- Gann DS**  
Gann DS, Delea CS, Gill JR Jr, Thomas JP, Bartter FC: Control of aldosterone secretion by change of body potassium in normal man.  
Amer J Physiol 207:104-8, Jul 64
- Gann DS**  
Gann DS, Egdaal RH: Mechanisms of adrenal cortical activation by hypotension. Surg Forum 15:8-10, 1964
- Gann DS**  
Wright HK, McMaster W, Gann DS, Drucker WR: Correction of the renal concentrating defect in hemorrhagic shock. Surg Forum 15:18-20, 1964
- Ganong WF**  
Wise BL, Van Brunt EE, Ganong WF: Effect of brain removal in dogs previously subjected to pituitary stalk section.  
Proc Soc Exp Biol Med 116:306-10, Jun 64
- Gans JR**  
Wagle SR, Gans JR: Effects of growth hormone on glucose-U-C14 metabolism in dog.  
Proc Soc Exp Biol Med 116:793-4, Jul 64
- Ganz V**  
Ganz V, Hlavová A, Froněk A, Linhart J, Přerovský I: Measurement of blood flow in the femoral artery in man at rest and during exercise by local thermomodulation. Circulation 30:86-9, Jul 64
- Garber V**  
Ravin MB, Garber V, Gibson EL: Intravascular hemolysis following urea administration during hypothermia. Anesthesiology 25:576-80, Jul-Aug 64
- Garby L**  
Agarwal KN, Garby L: Inhibition by corticosteroids of red cells lysis in vitro.  
Acta Endocr (Kobenhavn) 47:Suppl 93:3-27, 1964
- Garcia AM**  
Garcia AM, Selenkow HA: Immunologic inhibition of endogenous or exogenous thyrotropin in various species. Proc Soc Exp Biol Med 116:467-71, Jun 64
- Garcia B**  
Flores M, García B, Flores Z, Lara MY: Annual patterns of family and children's diet in three Guatemalan Indian communities.  
Brit J Nutr 18:281-93, 1964
- Garcia CR**  
Fernandez-Cano L, Menkin MF, Garcia CR, Rock J: Refrigerant preservation of human spermatozoa. I. Factors influencing recovery in eupermic semen: clinical applications.  
Fertil Steril 15:390-406, Jul-Aug 64
- Garcia JH**  
Garcia JH, Okazaki H, Aronson SM: Blood-group frequencies and astrocytoma.  
J Neurosurg 20:397-9, May 63
- Garcia De Paredes G**  
Nugent FW, Warren KW, Jonasson H, Garcia De Paredes G: Early experience with trasylol in the treatment of acute pancreatitis.  
Southern Med J 57:1317-21, Nov 64
- Gardner MD**  
Gardner MD, Bagen JA: Hemolytic anemia secondary to salicylazosulfapyridine therapy. JAMA 190:71-2, 5 Oct 64
- Garlick EI**  
Bronson FH, Eleftheriou BE, Garlick EI: Effects of intra- and inter-specific social stimulation on implantation in deer mice.  
J Reprod Fertil 8:22-7, Aug 64
- Garin JP**  
Garin JP, Despeignes J: Une méthode sérologique de diagnostic de la toxoplasmosse: l'agglutination des particules de bentonite sensibilisées.  
Presse Med 72:2317-20, 26 Sep 64 (Fr)
- Garland LH**  
Garland LH: The current status of radiotherapy in carcinoma laryngis. Ann Otol 73:488-500, Jun 64
- Garmatis C**  
Papavasiliou C, Garmatis C, Elias C, Kostouros D, Katharios N: Lung changes following cobalt teletherapy for carcinoma of the breast.  
Clin Radiol 15:242-5, Jul 64
- Garrett WJ**  
Garrett WJ: Symptomless carcinoma of the cervix. J Obstet Gynaec Brit Comm 71:517-28, Aug 64
- Garrison RG**  
Singh MD, Garrison RG: Propylene glycol aerosolization and the diagnosis of pulmonary histoplasmosis. Dis Chest 46:82-6, Jul 64
- Garrón H**  
Mackenzie RB, Beye HK, Valverde L, Garrón H: Epidemic hemorrhagic fever in Bolivia. I. A preliminary report of the epidemiologic and clinical findings in a new epidemic area in South America.  
Amer J Trop Med 13:620-5, Jul 64
- Garrow JS**  
Garrow JS, Fletcher K: The total weight of mineral in the human infant. Brit J Nutr 18:409-12, 1964
- Gatgounis J**  
Gatgounis J, Hester W: Inotropic activity of a series of amino acids.  
Proc Soc Exp Biol Med 116:430-4, Jun 64
- Gay WA Jr**  
Reis RL, Gay WA Jr, Braunwald NS, Morrow AG: Gradual closure of aortopulmonary septal defects. Surg Forum 15:266-7, 1964
- Gaylin S**  
Gaylin S: Psychiatric planning at the community level. Amer J Psychiat 121:153-9, Aug 64
- Geambazu E**  
Papahagi E, Petresco C, Rosca E, Geambazu E: Histoire d'un mégaduodenum.  
Presse Med 72:2299-302, 23 Sep 64 (Fr)
- Gebbie T**  
Gebbie T, Reid JD: Effect of tolbutamide in clearing induced alimentary lipaemia after alcoholic hepatopancreatic damage. Lancet 2:661-3, 20 Sep 64
- Geber WF**  
Geber WF: Functional hemodynamics of the colon. Angiology 15:366-70, Aug 64
- Geever EF**  
Berberian GM, Kuyama T, Geever EF, Levenson SM: Wound healing defect in lathyrism.  
Surg Forum 15:60-2, 1964
- Geisler L**  
Herberg D, Geisler L, Dengler HJ, Wagner F: Spastische Emphysebronchitis und chronisches Cor pulmonale.  
Deutsch Med Wschr 89:1782-6, 18 Sep 64 (Ger)
- Gelber L**  
Sandberg H, Rezaei M, Bellet S, Feinberg LJ, Moliver S, Gelber L: Fibrinolytic activity of human tissues from adult and infant cadavers.  
J Lab Clin Med 84:99-106, Jul 64
- Geld H van der**  
Geld H van der: Anti-heart antibodies in the postpericardiotomy and the postmyocardial-infarction syndromes.  
Lancet 2:617-21, 19 Sep 64
- Gelernt IM**  
Burrows L, Gelernt IM, Ein S, Dreiling DA, Kark AE: Antigen-antibody reactions involved in transplantation phenomena.  
Surg Forum 15:135-7, 1964
- Genest AS**



# ABRIDGED INDEX MEDICUS

- Genest AS, Bingham WG, Hamilton RD: Bilateral subdural empyema. Report of a case with arteriograms. *J Neurosurg* 20:524-6, Jun 63
- Gensini GG, DiGiorgi S, Serra C, Coskun O, Black A: Coronary angiography. *Vasc Dis* 1:34-44, Jan 64
- Gentilini M  
 Hazard J, Gentilini M: Septicémies et bactériémies à colibacille de l'adulte. A propos de 14 cas de septicémies. *Presse Med* 72:2089-93, 29 Aug 64 (Fr)
- George JC  
 George JC, Vallyathan NV: Effect of exercise on free fatty acid levels in the pigeon. *J Appl Physiol* 19:819-22, Jul 64
- George P  
 George P, Schejter A: The reactivity of ferrocyanochrome c with iron-binding ligands. *J Biol Chem* 239:1504-8, May 64
- George WD  
 George WD, Daub WW: Combined intra- and extrauterine pregnancy. Report of a case. *Obstet Gynec* 23:778-9, May 64
- Gephardt MC  
 Gephardt MC, Hanlon TJ, Matson CF: Blood uric acid values as related to sex and age. *JAMA* 189:1028-9, 28 Sep 64
- Gerard AG  
 Gerard AG, Tyler HY: Large thymoma associated with bronchogenic carcinoma. Report of a case. *Dis Chest* 46:238-40, Aug 64
- Gerarde HW  
 Walter AR, Gerarde HW: A rapid semiautomatic system of chemical analysis using true microspecimens. *Clin Chem* 10:509-18, Jun 64
- Gerboe F  
 Popper RW, Selzer A, Osborn JJ, Kerth WJ, Robinson SJ, Gerboe F: Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. *Amer Heart J* 68:32-7, Jul 64
- Gerboe F  
 Gerboe F, O'Brien MF, Kerth WJ, Robinson SJ: Surgical aspects of heart disease in infants under the age of two years. *Amer J Surg* 108:224-32, Aug 64
- Gergely NF  
 Drake CG, Barr HW, Coles JC, Gergely NF: The use of extracorporeal circulation and profound hypothermia in the treatment of ruptured intracranial aneurysm. *J Neurosurg* 21:575-81, Jul 64
- Gericke OL  
 Gericke OL, Lobb LG: The critical role of defense mechanisms in the outcome of chronic brain syndromes in the aged. *J Amer Geriatr Soc* 12:646-51, Jul 64
- Gerken H  
 Wiedermann HR, Gerken H: Gaucher cells in healthy relatives of patients with Gaucher's disease. *Lancet* 2:866, 17 Oct 64
- Gerlach J  
 Gerlach J, Jensen HP, Spuler H, Viehweger G: Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery. *J Neurosurg* 20:885-7, Oct 63
- Gerle RD  
 Gerle RD, Logan WD Jr: Roentgenogram of the month. *Dis Chest* 46:89-90, Jul 64
- German WJ  
 Ayres CM, Davey LM, German WJ: Cerebral hydatidosis. Clinical case report with a review of pathogenesis. *J Neurosurg* 20:371-7, May 63
- Gershberg H  
 Gershberg H, Neumann LL, Mari S: Studies on vitamin D-resistant rickets: effects of human growth hormone. *Metabolism* 13:636-49, Jul 64
- Gershon-Cohen J  
 Jowsey J, Gershon-Cohen J: Effect of dietary calcium levels on production and reversal of experimental osteoporosis in cats. *Proc Soc Exp Biol Med* 116:437-41, Jun 64
- Gerson IM  
 Gerson IM, Chat E, Twigger NA: Clinical trial of a potentiated diketopiperazine derivative as a psychopharmacological agent for the treatment of psychotic patients. *Amer J Psychiat* 121:179-81, Aug 64
- Gerst PH  
 Gerst PH, Fleming WH, Malm JR: Relationship between acidosis and ventricular fibrillation. *Surg Forum* 15:242-3, 1964
- Gersten JW  
 Clinkingbeard JR, Gersten JW, Hoehn D: Energy cost of ambulation in the traumatic paraplegic. *Amer J Phys Med* 43:157-65, Aug 64
- Gerwing J  
 Gerwing J, Dolman CE, Reichmann ME, Bains HS: Purification and molecular weight determination of Clostridium botulinum type E toxin. *J Bact* 88:216-9, Jul 64
- Gery I  
 Davies AM, Laufer A, Gery I, Rosenmann E: Organ specificity of the heart. 3. Circulating antibodies and immunopathological lesions in experimental animals. *Arch Path (Chicago)* 78:369-76, Oct 64
- Gerz HO  
 Gerz HO: Evaluation of a new phenothiazine derivative in the treatment of schizophrenia. *Amer J Psychiat* 121:174-6, Aug 64
- Getchell G  
 Getchell G, Kingsley GR, Schaffert RR: Direct automated determination of glucose by a glucose oxidase-peroxidase system. *Clin Chem* 10:540-8, Jun 64
- Getchell G  
 Schaffert RR, Kingsley GR, Getchell G: Automated determination of serum glutamic oxalacetic and glutamic pyruvic transaminase. *Clin Chem* 10:519-32, Jun 64
- Geurkink RE  
 Anderson MC, Geurkink RE, Nichols SH: Measurement of steroid-induced hepatic functional derangement with the ammonia tolerance test. *Surg Forum* 15:103-5, 1964
- Gewurz H  
 Clark DS, Gewurz H, Good RA, Varco RL: Complement fixation during homograft rejection. *Surg Forum* 15:144-6, 1964
- Ghaleb HA  
 Mahran M, Ghaleb HA: The physiology of the human round ligament. *J Obstet Gynaec Brit Comm* 71:374-8, Jun 64
- Gianturco C  
 Gianturco C, Miller GA: Tilt-table encephalography. *Radiology* 83:46-7, Jul 64
- Giardini A  
 Giardini A, Paliaga GP: Cataract extraction with optimum wound closure. *Brit J Ophthal* 48:133-8, Mar 64
- Gibbons RJ  
 Gibbons RJ: Metabolism of intracellular polysaccharide by *Streptococcus mitis* and its relation to inducible enzyme formation. *J Bact* 87:1512-20, Jun 64
- Gibbs CJ Jr  
 Wiebenga NH, Shelokov A, Gibbs CJ Jr, Mackenzie RB: Epidemic hemorrhagic fever in Bolivia. II. Demonstration of complement-fixing antibody in patients' sera with junin virus antigen. *Amer J Trop Med* 13:626-8, Jul 64
- Gibson EL  
 Ravin MB, Garber V, Gibson EL: Intravascular hemolysis following urea administration during hypothermia. *Anesthesiology* 25:576-80, Jul-Aug 64
- Gibson EW  
 Gibson EW, Poate WJ: The use of adhesive surgical tape in plastic surgery. *Brit J Plast Surg* 17:265-70, Jul 64
- Gibson J  
 Watnick AS, Gibson J, Vinegra M, Tolksdorf S: Ethynyl estradiol: a potent orally active contraceptive in rats. *Proc Soc Exp Biol Med* 116:343-7, Jun 64
- Gibson JB  
 Gibson JB, Carson NA, Neill DW: Pathological findings in homocystinuria. *J Clin Path* 17:427-37, Jul 64
- Gibson QH  
 Benesch R, Gibson QH, Benesch RE: Rates of reaction of hemoglobin H with ligands. *J Biol Chem* 239:1668-9, May 64
- Gibson R  
 Gibson R: Impact of malignant diseases on the general practitioner. *Brit Med J* 5415:965-9, 17 Oct 64
- Gibson TK  
 Savastano AA, Thayer JB, Gibson TK: Experiences with the Harrington instrumentation method in the treatment of idiopathic scoliosis. A preliminary report. *J Int Coll Surg* 42:421-8, Oct 64
- Gibel MG  
 Gibel MG, Wolf T: Die akute Wirbelgelenkblockierung an der Halswirbelsäule und ihre Beziehungen zur Osteochondrose. *Deutsche Med Wschr* 89:1832-8, 25 Sep 64 (Ger)
- Giedion A  
 Giedion A: Neonatal respiratory distress associated with a high haematocrit reading. *Lancet* 2:913, 24 Oct 64
- Gilbert G  
 Gilbert G, Aerichidé N, Lapointe L, David P: Congenital mitral insufficiency associated with a ventricular septal defect. *Amer Heart J* 68:107-10, Jul 64
- Gilbert M  
 Gilbert M, Rotstein J, Cunningham C, Estrin I, Davidson A: Norethynodrel with mestranol in treatment of rheumatoid arthritis. *JAMA* 190:235, 19 Sep 64
- Gilbert WR Jr  
 McCollister RJ, Gilbert WR Jr, Ashton DM, Wyngaarden JB: Pseudofeedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. *J Biol Chem* 239:1560-3, May 64
- Gilboa Y  
 Gilboa Y, Rumney G, Ber A: "Virilizing" adrenal hyperplasia in an elderly man; association with chronic fatigue and fever. *Arch Intern Med (Chicago)* 114:475-81, Oct 64
- Gilboa Y  
 Gilboa Y, Mitchell ML: Metabolism of thyroglobulin-I-131 in the guinea pig in vivo and in vitro. *Metabolism* 13:661-8, Jul 64
- Gildenberg P  
 Spiegel EA, Wycis HT, Szekely EG, Soloff L, Adams J, Gildenberg P, Zanes C: Stimulation of Forel's field during stereotaxic operations in the human brain. *Electroenceph Clin Neurophysiol* 18:537-48, Jun 64
- Gildenhorn HL  
 Amromin GD, Gildenhorn HL, Solomon RD, Nadkarni BB: The synergism of x-irradiation and cholesterol-fat feeding on the development of coronary artery lesions. *J Atheroscler Res* 4:325-34, Jul-Aug 64
- Gill JR Jr  
 Gann DS, Delea CS, Gill JR Jr, Thomas JP, Bartter FC: Control of aldosterone secretion by change of body potassium in normal man. *Amer J Physiol* 207:104-8, Jul 64
- Gill JR Jr  
 Barbour BH, Gill JR Jr, Bartter FC: Effects of angiotensin on the toad skin. *Proc Soc Exp Biol Med* 116:806-8, Jul 64
- Gillenwater JY  
 Gillenwater JY, Frohlich ED, Keller AD: Differential effects of heat on splenic and renal vascular beds. *Amer J Physiol* 207:133-6, Jul 64
- Gillespie FD  
 Gillespie FD: Ocular neurofibromatosis. *Southern Med J* 57:1340-1, Nov 64
- Gilliet FC  
 Cronk RV, Gilliet FC, Hedinger CE: Horseshoe kidney and calcific stenosis of the underlying terminal aorta in a newborn infant: report of a case. *J Urol* 92:6-8, Jul 64
- Gilman JC  
 Gilman JC: Adenomatous polyp of bowel following ureterocolic anastomosis. A case report and review of the literature. *Brit J Urol* 36:264-70, Jun 64
- Gills JP  
 Bard LA, Gills JP: Quinine amblyopia. *Arch Ophthal (Chicago)* 72:328-31, Sep 64
- Gilman PW  
 Ainsworth J, Gilman PW: Diagnosis of placenta praevia by aortography. *Proc Roy Soc Med* 57:697-700, Aug 64
- Ginoza HS  
 Ginoza HS, Painter RB: Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. *J Bact* 87:1339-45, Jun 64
- Ginzburg Y  
 Willoughby DS, Ginzburg Y, Watson DW: Host-parasite relationships among group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. *J Bact* 87:1452-6, Jun 64
- Giojubs RW  
 Giojubs RW, Simeone FA: Effects of vasopressors and blocking agents on the kidney in oligemia. *Surg Forum* 15:12-3, 1964
- Girardet R  
 Gliedman ML, Girardet R, Karlson KE: Gastrointestinal congestion and histamine provoked ulcers. *Surg Forum* 15:314-5, 1964
- Girardi AJ  
 Girardi AJ, Hilleman MR: Host-virus relationships in hamsters inoculated with SV40 virus during the neonatal period. *Proc Soc Exp Biol Med* 116:723-8, Jul 64
- Girdwood RH  
 Dellipiani AW, Girdwood RH: Bacterial changes in the small intestine in malabsorptive states and in pernicious anaemia. *Clin Sci* 26:359-74, Jun 64
- Gitman L  
 Gitman L, Pollock B, Greenblatt IJ: Erythrocyte triiodothyronine uptake test in obstetrics and gynecology. *Obstet Gynec* 23:662-8, May 64
- Gittelson AM  
 Gittelson AM, Senning RS: Tabulation of vital records by computer. *Public Health Rep* 79:895-904, Oct 64
- Gittes RF  
 Gittes RF, Kastin AJ, Groff DB, Ketcham AS: Deficiency of effective histocompatibility antigens in pituitary and parathyroid tissue. *Surg Forum* 15:164-6, 1964
- Givre A  
 Yoshida M, Yanagisawa N, Shimazu H, Givre A, Narabayashi H: Physiological identification of the thalamic nucleus. *Arch Neurol (Chicago)* 11:435-43, Oct 64
- Gjessing LR  
 Halvorsen S, Gjessing LR: Studies on tyrosinosis. I. effect of low-tyrosine and low-phenylalanine diet. *Brit Med J* 5418:1171-3, 7 Nov 64
- Gjessing LR  
 Gjessing LR, Borud O: Urinary vanilpyruvic acid neuroblastoma. *Lancet* 2:818, 10 Oct 64
- Glanville JN  
 Blagg CR, Glanville JN: Bilateral renal artery stenosis with aldosteronism. *Brit J Radiol* 37:554-7, Jul 64
- Glaser FE  
 Glaser FE, Yuan RH: Intracranial tumors with extracranial metastases. Case report and review of the literature. *J Neurosurg* 20:474-93, Jun 63
- Glaser GH  
 Glaser GH: Sodium and seizures. *Epilepsia (Amst)* 5:97-111, Jun 64
- Glaskin A  
 Shubin H, Glaskin A: A new diagnostic and therapeutic approach in the treatment of hypertension. *Curr Ther Res* 6:368-72, May 64
- Glass A  
 Glass A: Mental arithmetic and blocking of the occipital alpha rhythm. *Electroenceph Clin Neurophysiol* 18:595-603, Jun 64
- Glatt MM  
 Glatt MM: Drug dependence. *Brit Med J* 5416:1073, 24 Oct 64
- Glattly HW  
 Glattly HW: A statistical study of 12,000 new amputees. *Southern Med J* 57:1373-8, Nov 64
- Gleason DM  
 Gleason DM, Buxbaum C, Lattimer JK: Pressure telemeter: a method of measuring intravesical pressure without tubes, wires, or catheters. *Surg Forum* 15:502-3, 1964
- Glenn F  
 Glenn F, Okinaka AJ: Surgical problems and pulmonary function in the geriatric patient, including observations on a man purported to be 167 years old. *J Amer Geriatr Soc* 12:632-45, Jul 64
- Glenn JR  
 Jones WR, Henson PE Jr, Glenn JR: Response to mannitol under conditions simulating irrigant infusion during transurethral resection. *Surg Forum* 15:463-5, 1964
- Glick B  
 Sato K, Glick B: Effect of ACTH on total adrenal cholesterol in bursectomized chicks. *Amer J Physiol* 207:47-9, Jul 64
- Glick SM  
 Glick SM, Roth J, Lonergan ET: Survival of endogenous human growth hormone in plasma. *J Clin Endocr* 24:501-5, Jun 64
- Glickman RM  
 Kevy SV, Glickman RM, Bernhard WF, Gross RE, Diamond LE: Quantitative assay of the fibrinolytic system in open heart surgery. *Surg Forum* 15:282-3, 1964
- Gliedman ML



# ABRIDGED INDEX MEDICUS

- Gliedman ML, Girardet R, Karlson KE: Gastrointestinal congestion and histamine provoked ulcers. *Surg Forum* 15:314-5, 1964
- Gloster J, Greaves DP: A study of bleaching of the fundus oculi in pigmentary degenerations of the retina. *Brit J Ophthalmol* 48:260-73, May 64
- Gluck N, DeBellis RH, Gluck N, Marks PA: Synthesis of ribonucleic acid in rabbit blood cells in vivo. *J Clin Invest* 43:1329-37, Jul 64
- Goco RV, Brantigan OC, Kress MB: An experimental study of bronchial glands. *Dis Chest* 46:115-29, Aug 64
- Godfrey JF, Weimer HE, Miller JN, Meyers RL, Baxter D, Roberts DM, Godfrey JF, Carpenter CM: The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. *Cancer Res* 24:847-54, Jun 64
- Goetz RH, Weissberg D, Goetz RH: Tissue reactions to methyl 2-cyanoacrylate (Eastman 910 monomer). *Surg Forum* 15:226-7, 1964
- Goffe AP, Benson PF, Butler NR, Goffe AP, Knight GJ, Laurence GD, Miller CL, Pollock TM: Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. *Brit Med J* 5413:851-3, 3 Oct 64
- Gohman-Yahr M, Allansmith M, Gohman-Yahr M, Buell DN: Demonstration of gamma-2 globulin in human skin. *J Allergy* 35:313-21, Jul-Aug 64
- Gokhale SD, Verma BS, Gulati OD, Gokhale SD, Shah KC: Guanethidine and phenoxymethylamine in atopic dermatitis. A clinical trial. *Arch Derm (Chicago)* 90:414-7, Oct 64
- Gold AP, Mizrahi A, Gold AP: Neonatal tetany secondary to maternal hyperparathyroidism. *JAMA* 190:155-6, 12 Oct 64
- Gold EM, Ando S, Guze LB, Gold EM: ACTH release in vivo and in vitro: extrapituitary mediation during *Esch. coli* bacteremia. *Endocrinology* 74:894-901, Jun 64
- Gold SC, Gold SC: Discoid lupus erythematosus eruption with digital arterial occlusion. *Proc Roy Soc Med* 57:516, Jun 64
- Goldberg A, Hume R, Goldberg A: Actual and predicted-normal red-cell and plasma volumes in primary and secondary polycythemia. *Clin Sci* 26:499-508, Jun 64
- Goldberg HP, Steinberg I, Miscall L, Goldberg HP: Congenital absence of left pulmonary artery with patent ductus arteriosus; treatment by closure of ductus and left pneumonectomy. *JAMA* 190:394-6, 26 Oct 64
- Goldberg JD, Monis B, Goldberg JD, Diamond EL: Alpha- and beta-D galactosidase activity of rat thyroid and spleen. A quantitative study. *Proc Soc Exp Biol Med* 116:580-2, Jul 64
- Goldberg LI, Goldberg LI: Monoamine oxidase inhibitors. Adverse reactions and possible mechanisms. *JAMA* 190:456-62, 2 Nov 64
- Goldberg M, Gordon ES, Goldberg M: Carbon-14 studies of energy metabolism in various thyroid states. *Metabolism* 13:591-608, Jul 64
- Goldberg R, Abramson JH, Mann KJ, Nizan A, Goldberg R: Epidemiology of disability after work injuries. *Arch Environ Health (Chicago)* 9:572-80, Nov 64
- Goldberg R, Mann KJ, Abramson JH, Nizan A, Goldberg R: Epidemiology of disabling work injuries in Israel. *Arch Environ Health (Chicago)* 9:505-13, Oct 64
- Goldberger RF, Neumann H, Goldberger RF, Sela M: Interaction of phosphorothioate with the disulfide bonds of ribonuclease and lysozyme. *J Biol Chem* 239:1536-40, May 64
- Goldberger RF, Goldberger RF, Epstein CJ, Anfinsen CB: Purification and properties of a microsomal enzyme system catalyzing the reactivation of reduced ribonuclease and lysozyme. *J Biol Chem* 239:1406-10, May 64
- Golder RH, Golder RH, Martin-Guzman G, Jones J, Goldstein NO, Rotenberg S, Rutman RJ: Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard. *Cancer Res* 24:964-8, Jul 64
- Goldfarb WB, Goldfarb WB, Margraf H: Cyanide production by *Pseudomonas aeruginosa*. *Surg Forum* 15:467-9, 1964
- Golding-Wood PH, Golding-Wood PH: Current developments in ophthalmology. The ocular effects of autonomic surgery. *Proc Roy Soc Med* 57:494-7, Jun 64
- Goldman A, Goldman A: An evaluation of automatic suture with UKL-60 and UKL-40 devices by pulmonary resection. *Dis Chest* 46:29-36, Jul 64
- Goldman JK, Goldman JK, Cahill GF Jr: Insulin effect on glucose-C14 incorporation into rat liver and adipose tissue in vivo. *Metabolism* 13:572-8, Jun 64
- Goldner MG, Bleicher SJ, Moldow CF, Scherrer J, Goldner MG: A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. *Metabolism* 13:583-6, Jun 64
- Goldsmith GA, Goldsmith GA: Calorie requirements of adults in the United States. *Southern Med J* 57:1379-80, Nov 64
- Goldsmith HJ, Drawneek W, O'Brien MJ, Goldsmith HJ, Bourdillon RE: Industrial methyl-bromide poisoning in fumigators. A case report and field investigation. *Lancet* 2:855-6, 17 Oct 64
- Goldstein JH, Goldstein JH: The intraoperative forced duction test. Report of a case of congenital fibrous bands. *Arch Ophthalmol (Chicago)* 72:847-9, Nov 64
- Goldstein NO, Golder RH, Martin-Guzman G, Jones J, Goldstein NO, Rotenberg S, Rutman RJ: Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard. *Cancer Res* 24:964-8, Jul 64
- Goldstein PJ, Goldstein PJ, Wolff RJ: The incompetent cervix: a survey of survivors. *Obstet Gynec* 23:752-6, May 64
- Goldstein SL, Goldstein SL, Himwich WA, Knapp FM, Rovine BW: Effects of urea and other dehydrating agents upon dog brain. *J Neurosurg* 21:872-7, Aug 64
- Goldstone J, Sabet-Payman K, Goldstone J, Jacob SW: Surgical studies in hematopoiesis-successful growth of homologous bone marrow in an ectopic locus using imuran. *Surg Forum* 15:146-8, 1964
- Goldwasser E, Takaku F, Dukes PP, Goldwasser E: In vitro studies of cell types responsive to erythropoietin. *Endocrinology* 74:968-72, Jun 64
- Goldwasser E, Dukes PP, Takaku F, Goldwasser E: In vitro studies on the effect of erythropoietin on glucosamine-1-14C incorporation into rat bone marrow cells. *Endocrinology* 74:960-7, Jun 64
- Goldwater LJ, Jacobs MB, Ladd AC, Goldwater LJ: Absorption and excretion of mercury in man. VI. Significance of mercury in urine. *Arch Environ Health (Chicago)* 9:454-63, Oct 64
- Golub M, Golub M: An automated method for the determination of serum bilirubin. *Clin Chem* 10:399-405, May 64
- Golub OJ, Lee ND, Henry RJ, Golub OJ: Determination of the free thyroxine content of serum. *J Clin Endocr* 24:486-95, Jun 64
- Gomella C, Cohn L, Hannoun C, Gomella C: Inactivation par l'ozone du virus de la poliomyélite présent dans les eaux. *Presse Med* 72:2153-6, 12 Sep 64 (Fr)
- Gómez DM, Gómez DM, Briscoe WA, Cumming G: Continuous distribution of specific tidal volume throughout the lung. *J Appl Physiol* 19:683-92, Jul 64
- Gonzalez G, Guerrero-Figueroa R, Barros A, Heath RG, Gonzalez G: Experimental subcortical epileptiform focus. *Epilepsia (Amst)* 5:112-39, Jun 64
- Gonzalez LL, Gonzalez LL, Boyd AD, Altemeier WA: Susceptibility of vascular sutures to infection in experimental bacteremia. *Surg Forum* 15:68-9, 1964
- Good RA, Condie RM, Staab EV, Good RA: Biologic relationship of endotoxin and other toxic proteins. IV. Effect of heparin on endotoxin-induced hypersusceptibility to snake venoms. *Proc Soc Exp Biol Med* 116:696-701, Jul 64
- Good RA, Clark DS, Gewarz H, Good RA, Varco RL: Complement fixation during homograft rejection. *Surg Forum* 15:144-6, 1964
- Goodenough DR, Shapiro A, Goodenough DR, Biederman I, Sleser I: Dream recall and the physiology of sleep. *J Appl Physiol* 19:778-83, Jul 64
- Goodhead B, Goodhead B: Strangulated femoral hernia in child aged 6 years. *Brit Med J* 5416:1052-3, 24 Oct 64
- Goodland RL, Spar IL, Goodland RL, Desiderio MA: Immunological removal of circulating I-131-labeled rabbit antibody to rat fibrinogen in normal and tumor-bearing rats. *J Nucl Med* 5:428-43, Jun 64
- Goodman DS, Goodman DS, Deykin D, Shiratori T: The formation of cholesterol esters with rat liver enzymes. *J Biol Chem* 239:1335-45, May 64
- Goodman DS, Goodman DS: Squalene in human and rat blood plasma. *J Clin Invest* 43:1480-5, Jul 64
- Goodman GB, Goodman GB, Balfour J: Carcinoma of bladder: cobalt therapy. *J Urol* 92:30-6, Jul 64
- Goodman HM, Goodman HM: Effects of hypophysectomy and diet on lipogenesis in adipose tissue. *Endocrinology* 75:140-2, Jul 64
- Goodman JM, Goodman JM: Mallory-Weiss syndrome and hypofibrinogenemia. Complication during surgery. *JAMA* 190:72-3, 5 Oct 64
- Goodman LS, Swinyard EA, Boson FC, Goodman LS: Effect of epinephrine and norepinephrine on excitability of central nervous system of mice. *J Pharmacol Exp Ther* 144:52-9, Apr 64
- Goodner CJ, Feinkel N, Goodner CJ: Inhibition of insulin degradation by fractions of non-diabetic sera. *Lancet* 2:846-7, 19 Sep 64
- Goodner EK, Aronson SB, Yamamoto E, Goodner EK, O'Connor GR: The occurrence of an autoantibody in human uveitis. *Arch Ophthalmol (Chicago)* 72:621-5, Nov 64
- Goodrich SM, Goodrich SM, Zuspan FP: Metabolic studies in toxemia of pregnancy. *Surg Forum* 15:378-9, 1964
- Goodsitt E, Brown HW, Neto MX, Goodsitt E: Multiple primary tumors of the intestine with massive resection and survival. *J Int Coll Surg* 42:360-6, Oct 64
- Goodwin JF, Goodwin JF: Obstructive cardiomyopathy: clinical features. *Proc Roy Soc Med* 57:443-4, Jun 64
- Goodwin WE, Martin DC, Goodwin WE: An unusual case of bilateral hydrocele in an infant. *Brit J Urol* 36:261-3, Jun 64
- Gopalan C, Jagannathan SN, Madhavan TV, Gopalan C: Effect of adrenaline on aortic structure and serum cholesterol in *Macaca radiata*. *J Atheroscler Res* 4:335-45, Jul-Aug 64
- Gorce F, Rapin M, Amstutz P, Gorce F, Barois A, Goulon M: Anurie par néphropathie interstitielle aiguë au décours d'un traitement prolongé par la phénindione. *Presse Med* 72:2279-84, 23 Sep 64 (Fr)
- Gordan GS, Halden A, Eisenberg E, Gordan GS: Parathyroid hormone and phosphate homeostasis in man. *Acta Endocr (Copenhavn)* 46:285-91, Jun 64
- Gordan GS, Graham WP, Gordan GS, Loken HF, Blum A, Halden A: Effect of pregnancy and of the menstrual cycle on hypoparathyroidism. *J Clin Endocr* 24:512-6, Jun 64
- Gordh T, Gordh T: The influence of sex on anesthetic morbidity and mortality. *Anesthesiology* 25:466-9, Jul-Aug 64
- Gordon AS, Grob HS, Kuppermann HS, Gordon AS: Calcification of the ovarian follicle in rats. *Proc Soc Exp Biol Med* 116:768-8, Jul 64
- Gordon AS, Detmer RA, Raush J, Fletcher E, Gordon AS: Ideal wave form and characteristics for direct current defibrillators. *Surg Forum* 15:249-51, 1964
- Gordon EE, Gordon EE, Maier DM: Effect of ionic environment on metabolism and structure of rat kidney slices. *Amer J Physiol* 207:71-6, Jul 64
- Gordon ES, Gordon ES, Goldberg M: Carbon-14 studies of energy metabolism in various thyroid states. *Metabolism* 13:591-608, Jul 64
- Gordon GC, Gordon GC: Acute hemiplegia in childhood. *Brit Med J* 5415:1009, 17 Oct 64
- Gordon IR, Gordon IR: Radiology of obstructive lesions of the urethra in children. *Proc Roy Soc Med* 57:735-6, Aug 64
- Gordon S, Gordon S, Mead JF: Conversion of linoleic-1-C14 acid to arachidonic acid in the gerbil. *Proc Soc Exp Biol Med* 116:730-3, Jul 64
- Gordy E, Crissey JT, Gordy E, Ferguson JL, Lyman RB Jr: A new technic for the demonstration of skin temperature patterns. *J Invest Derm* 43:88-91, Aug 64
- Gordy PD, Isom JB, Gordy PD, Selner JC, Brown LJ, Willis M: Brain abscess due to *Haemophilus aphrophilus*. *New Eng J Med* 271:1059-61, 12 Nov 64
- Gordy PD, Hinck VC, Gordy PD: Persistent primitive trigeminal artery. One type of persistent carotid-basilar anastomosis. *Radiology* 83:41-5, Jul 64
- Goresky CA, Goresky CA: Initial distribution and rate of uptake of sulfobromophthalein in the liver. *Amer J Physiol* 207:13-26, Jul 64
- Gorrod JW, Boyland E, Roe FJ, Gorrod JW, Mitchley BC: The carcinogenicity of nitrosobenzene, a possible constituent of tobacco smoke. *Brit J Cancer* 18:265-70, Jun 64
- Gorski J, Nicolette JA, Gorski J: Cortisol effects on the uterine response to estrogen. *Endocrinology* 74:955-9, Jun 64
- Gott VL, Whiffen JD, Gott VL: Effect of various surface active agents on heparin binding and clot formation on graphite surfaces. *Proc Soc Exp Biol Med* 116:314-7, Jun 64
- Gott VL, Whiffen JD, Boake WC, Gott VL: Non-suture thrombus resistant vascular anastomosis rings for organ transplantation. *Surg Forum* 15:218-9, 1964
- Gottesfeld F, Gottesfeld F: Acetylcholin- und Histamin-Bronchospasmus bei Neurodermitikern und Kontrollen. *Int Arch Allerg* 24:Suppl:52-3, 1964 (Ger)
- Gottesman KS, Miller NE, Gottesman KS, Emery N: Dose response to carbachol and norepinephrine in rat hypothalamus. *Amer J Physiol* 206:1384-8, Jun 64
- Gottlieb D, Gottlieb D, Van Etten JL: Biochemical changes during the growth of fungi. 1. Nitrogen compounds and carbohydrate changes in *Penicillium atrovirens*. *J Bact* 108:114-21, Jul 64
- Gough MH, Jantet GH, Edwards JM, Gough MH, Kinmonth JB: Endolymphatic therapy with radioactive gold for malignant melanoma. *Brit Med J* 5414:904-6, 10 Oct 64
- Goulon M, Rapin M, Amstutz P, Gorce F, Barois A, Goulon M: Anurie par néphropathie interstitielle aiguë au



# ABRIDGED INDEX MEDICUS

- décours d'un traitement prolongé par la phénindione  
Presse Med 72:2279-84, 23 Sep 64 (Fr)
- Gourley DR**  
Gourley DR: Potassium exchange in frog sartorius muscle. Amer J Physiol 206:1340-6, Jun 64
- Gover WC**  
Gover WC, Holland WC: Effects of ouabain on tissue calcium and calcium exchange in pacemaker of turtle heart. Amer J Physiol 207:195-8, Jul 64
- Gowing NF**  
Gowing NF: Malignant lymphoma of the testis. Brit J Urol 36:Suppl:85-94, Jun 64
- Gowing NF**  
Gowing NF, Morgan AD: Paratesticular tumours of connective tissue and muscle. Brit J Urol 36:Suppl:78-84, Jun 64
- Goyer RA**  
Goyer RA, Yin MW, Bowden DH: Taurine excretion following drug-induced muscle necrosis and x-irradiation. Proc Soc Exp Biol Med 116:534-6, Jun 64
- Grazon C**  
Faretta G, Gozun C: The use of drug combinations in pediatric psychiatry. Curr Ther Res 8:340-3, May 64
- Grace JT Jr**  
Buffett RF, Grace JT Jr, Mirand EA: Properties of a lymphocytic leukemia agent isolated from Ha/ICR Swiss mice. Proc Soc Exp Biol Med 116:293-7, Jun 64
- Grädel FO**  
Nose Y, Russell F, Grädel FO, Kantrowitz A: Permanently implanted, plastic, auxiliary left ventricle. Surg Forum 15:269-71, 1964
- Graf CJ**  
Graf CJ: Trigeminal compression for tic douloureux: an evaluation. J Neurosurg 20:1029-32, Dec 63
- Graf WS**  
Graf WS, Etkins P: Ventricular tachycardia after synchronized direct-current countershock. JAMA 190:470-1, 2 Nov 64
- Graff S**  
Connolly JG, Moser HA, Tannenbaum M, Graff S, Veenema RJ: In vitro labeling and autoradiography of exfoliated cells in carcinoma of the human bladder. Surg Forum 15:489-90, 1964
- Graham H**  
Porter M, Riley HD Jr, Graham H: Needle biopsy of the liver in infants and children. J Pediatr 65:176-88, Aug 64
- Graham JB**  
Graham JB: A genetical approach to the study of disease. Lab Invest 13:683-9, Jun 64
- Graham RC**  
Moses JM, Ebert RH, Graham RC, Brine KL: Pathogenesis of inflammation. I. The production of an inflammatory substance from rabbit granulocytes in vitro and its relationship to leucocyte pyrogen. J Exp Med 120:57-82, 1 Jul 64
- Graham WP 3d**  
Graham WP 3d, Gordon GS, Loken HF, Blum A, Halden A: Effect of pregnancy and of the menstrual cycle on hypoparathyroidism. J Clin Endocr 24:512-6, Jun 64
- Granhölm L**  
Granhölm L, Rådborg C: Congenital communicating hydrocephalus. J Neurosurg 20:338-43, Apr 63
- Grant GN**  
Zollinger RM, Grant GN: Ulcerogenic tumor of the pancreas. JAMA 190:181-4, 19 Sep 64
- Grant H**  
Grant H: Colo-neo-urethrostomy. A diversion operation for urinary incontinence. Brit J Urol 36:198-203, Jun 64
- Grantham FH**  
Gullino PM, Clark SH, Grantham FH: The interstitial fluid of solid tumors. Cancer Res 24:780-84, Jun 64
- Grantham JJ**  
Grantham JJ, Schloerb PR: Measurement of intracellular hydrogen ion concentration in patients. Surg Forum 15:81-2, 1964
- Gratum JM**  
Olmstead EG, Gratum JM: Osmotic and respiratory behavior of surviving rat liver cells. Proc Soc Exp Biol Med 116:327-31, Jun 64
- Gray I**  
Gray I: Effect of protein nutrition on leukocyte mobilization. Proc Soc Exp Biol Med 116:414-6, Jun 64
- Gray J**  
Stahlman M, LeQuire VS, Young WC, Merrill RE, Birmingham RT, Payne GA, Gray J: Pathophysiology of respiratory distress in newborn lambs. Circulatory, biochemical, and pathological considerations. Amer J Dis Child 108:375-93, Oct 64
- Gray J**  
Warren GH, Gray J: Production of a polysaccharide by *Staphylococcus aureus*. 3. Action of penicillins and polysaccharides on enzymic lysis. Proc Soc Exp Biol Med 116:317-23, Jun 64
- Gray JG**  
Gray JG, Monaco AP, Russell PS: Heterologous mouse anti-lymphocyte serum to prolong skin homografts. Surg Forum 15:142-4, 1964
- Gray PG**  
Platt BS, Gray PG, Parr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Brit J Nutr 18:413-29, 1964
- Gray SW**  
Gray SW, Johnson HC Jr, Skandalakis JE: Gastric teratoma in an adult: With a review of the literature. Southern Med J 57:1346-51, Nov 64
- Greaney EM Jr**  
Hartman SW, Greaney EM Jr: Traumatic injuries to the biliary system in children. Amer J Surg 108:150-6, Aug 64
- Greaves DP**  
Gloster J, Greaves DP: A study of bleaching of the fundus oculi in pigmentary degenerations of the retina. Brit J Ophthalmol 48:260-73, May 64
- Greco F**  
Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chianussi L: Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. Clin Sci 28:493-8, Jun 64
- Greco F**  
Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chianussi L: Effect of drug infusion on the systemic and splanchnic circulation. 1. Bradykinin infusion in normal subjects. Clin Sci 28:487-91, Jun 64
- Green A**  
Green A: Management of malignant melanoma. Brit Med J 5418:1200-1, 7 Nov 64
- Green D**  
Green D, Joynt RJ, Van Allen MW: Neuromyopathy associated with a malignant carcinoid tumor. A case report. Arch Intern Med (Chicago) 114:494-6, Oct 64
- Green DM**  
Weir IB, Jamieson WM, Green DM: Poliomyelitis in Dundee, 1962. Brit Med J 5413:853-7, 3 Oct 64
- Green H**  
Todaro GJ, Green H: Serum albumin supplemented medium for long term cultivation of mammalian fibroblast strains. Proc Soc Exp Biol Med 116:888-92, Jul 64
- Green WO Jr**  
Green WO Jr, Adams TE: Mycetoma in the United States; a review and report of seven additional cases. Amer J Clin Path 42:75-91, Jul 64
- Greenbaum D**  
Greenbaum D: Observations on the homogeneous nature and pathogenesis of diabetic neuropathy. Brain 87:215-32, Jun 64
- Greenbaum D**  
Greenbaum D, Richardson PC, Salmon MV, Ulrich H: Pathological observations on six cases of diabetic neuropathy. Brain 87:201-14, Jun 64
- Greenberg DM**  
Greenberg DM, Blumenthal G, Ramadan ME: Effect of administration of the enzyme glutaminase on the growth of cancer cells. Cancer Res 24:957-63, Jul 64
- Greenberg G**  
Greenberg G, Anderson R, Sharpstone P, James DG: Enlargement of parotid gland due to sarcoidosis. Brit Med J 5413:861-2, 3 Oct 64
- Greenberg MS**  
Strohmeyer GW, Miller SA, Scarlata RW, Moore EW, Greenberg MS, Chalmers TC: Effects of hypoxia on iron absorption and mobilization in the rat. Amer J Physiol 207:55-61, Jul 64
- Greenberg R**  
Greenberg R, Sabelli HC: DRUG EFFECTS ON EPINEPHRINE RELEASE FROM RAT ADRENAL MEDULLA. HOMOGENATES AND GRANULE PREPARATIONS. Proc Soc Exp Biol Med 116:705-12, Jul 64
- Greenblatt J**  
Gitman L, Pollock B, Greenblatt J: Erythrocyte triiodothyronine uptake test in obstetrics and gynecology. Obstet Gynec 23:662-8, May 64
- Greenburg F**  
Greenburg F, Wray JB: Influence of the adrenal glands upon fracture healing. Surg Forum 15:445-6, 1964
- Greene AE**  
Greene AE, Silver RK, Krug M, Coriell LL: Preservation of cell cultures by freezing in liquid nitrogen vapor. Proc Soc Exp Biol Med 116:462-7, Jun 64
- Greene HS**  
Greene HS, Harvey EK: The relationship between the dissemination of tumor cells and the distribution of metastases. Cancer Res 24:799-811, Jun 64
- Greene HS**  
Greene HS, Harvey EK: Metastasis from the brain. Cancer Res 24:1021-7, Jul 64
- Greenfield AD**  
Greenfield AD: An isothermal system for manometric measurement of changes of volume. J Appl Physiol 19:811-2, Jul 64
- Greenfield JC Jr**  
Tindall GT, Odum GL, Dillon ML, Cupp HB Jr, Mahaley MS Jr, Greenfield JC Jr: Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. J Neurosurg 20:985-94, Nov 63
- Greenfield M**  
Randolph MF, Greenfield M, Crensy J: Ten-second urine culture and colony count. Amer J Dis Child 108:348-50, Oct 64
- Greenhouse AH**  
Greenhouse AH: Pituitary sarcoma; a possible consequence of radiation. JAMA 190:269-73, 26 Oct 64
- Greenlaw RH**  
Greenlaw RH, Hudgins WD: Correlation of renal clearance techniques in dogs: para-aminohippuric acid compared with radio-iodinated hippuran. J Nucl Med 5:453-61, Jun 64
- Greenspon SA**  
Krakower CA, Greenspon SA: The nature of late reactions following intradermal injection of heterologous anti-tissue sera. Proc Soc Exp Biol Med 116:301-6, Jun 64
- Greenwood J Jr**  
Greenwood J Jr: Intramedullary tumors of spinal cord. A follow-up study after total surgical removal. J Neurosurg 20:685-8, Aug 63
- Greep JM**  
Greep JM, Chambers DA, Skinner DB, McCrae CR, Nardi GL: Pancreatitis in the isolated perfused pancreas. Surg Forum 15:88-9, 1964
- Greer CH**  
Nirankari MS, Greer CH, Chaddah MR: Malignant non-chromaffin paraganglioma in the orbit. Brit J Ophthalmol 47:357-63, Jun 63
- Greer MA**  
Matsuda K, Duyck C, Kendall JW Jr, Greer MA: Pathways by which traumatic stress and other induce increased ACTH released in the rat. Endocrinology 74:981-5, Jun 64
- Greer MA**  
Matsuda K, Duyck C, Greer MA: Restoration of the ability of rat pituitary homotransplants to secrete ACTH if placed under the hypothalamic median eminence. Endocrinology 74:939-43, Jun 64
- Gregersen G**  
Gregersen G: Motor-nerve function and duration of diabetes. Lancet 2:733, 3 Oct 64
- Gregory G**  
Jones SA, Gregory G, Smith LL, Saito S, Joergenson EJ: Surgical management of the difficult and perforated duodenal stump: an experimental study. Amer J Surg 108:257-63, Aug 64
- Gregory KF**  
Gregory KF, Huang JC: Tyrosinase inheritance in *Streptomyces scabies*. I. Genetic recombination. J Bact 87:1281-6, Jun 64
- Gregory KF**  
Gregory KF, Huang JC: Tyrosinase inheritance in *Streptomyces scabies*. II. Induction of tyrosinase deficiency by acridine dyes. J Bact 87:1287-94, Jun 64
- Gregory KF**  
Gregory KF, Huang JC: Tyrosinase inheritance in *Streptomyces scabies*. I. Genetic recombination. J Bact 87:1281-6, Jun 64
- Greitz T**  
Galloway JR, Greitz T, Sjögren SE: Vertebral angiography in the diagnosis of ventricular dilatation. Acta Radiol [Diagn] (Stockholm) 2:321-33, Jul 64
- Greuter W**  
Greuter W, Hogné R, Riedwil H: Das Verhalten der eosinophilen Granulozyten im peripheren Blut unter der Behandlung mit Procain-Penicillin. Int Arch Allerg 24:Suppl:50-1, 1964 (Ger)
- Grieve NW**  
Grieve NW: Monilial oesophagitis. Brit J Radiol 37:551-4, Jul 64
- Griffel B**  
Yarom R, Griffel B: Aneurysm of interventricular septum with subacute stenosis. J Path Bact 88:93-5, Jul 64
- Griffin WO Jr**  
Griffin WO Jr, Aust JB: Low molecular weight dextran and metastatic tumor. Surg Forum 15:338-40, 1964
- Griffith FD**  
Griffith FD, Parker HE, Rogler JC: Effect of dietary magnesium and fluoride on citric acid content of chick bones. Proc Soc Exp Biol Med 116:822-3, Jul 64
- Griffith TP**  
Griffith TP: Polythene tubes in canaliculus surgery. Brit J Ophthalmol 47:203-10, Apr 63
- Griffiths JM**  
Griffiths JM, Holmes G: Cholecystitis following gastric surgery. Lancet 2:780-2, 10 Oct 64
- Grimes OF**  
Grimes OF: Surgical management of massive gastrointestinal hemorrhage from cardioesophageal lacerations. Amer J Surg 108:285-96, Aug 64
- Grinols DR**  
Wittenberg BH, Grinols DR: Space impostor: an unusual clinical case. Amer J Psychiat 121:180-6, Aug 64
- Griswold HE**  
Farrell C, Dotter CT, Griswold HE: Supravalvular aortic stenosis. Underdevelopment and characteristic facies. Amer J Dis Child 108:335-40, Oct 64
- Griswold SS**  
Griswold SS: Community control of air pollution. Potentials and limits. Arch Environ Health (Chicago) 9:606-8, Nov 64
- Grob HS**  
Grob HS, Kuppermann HS, Gordon AS: Calcification of the ovarian follicle in rats. Proc Soc Exp Biol Med 116:766-8, Jun 64
- Gross DB**  
Gittes RF, Kastin AJ, Gross DB, Ketcham AS: Deficiency of effective histocompatibility antigens in pituitary and parathyroid tissue. Surg Forum 15:164-6, 1964
- Grönroos JA**  
Grönroos JA, Castrén O, Kallio H: Prevalence of Listeria agglutinins in obstetric and gynaecologic patients. Ann Chir Gynaec Fenn 53:377-82, 1964
- Grossfeld JC**  
Grossfeld JC, Mighorst JA, Moolhuysen TM: Argininosuccinic aciduria in monilethrix. Lancet 2:789-91, 10 Oct 64
- Gross BG**  
Gross BG, Hashimoto K: Hereditary urticaria pigmentosa. Arch Derm (Chicago) 90:401-3, Oct 64
- Gross F**  
Schaechtelin G, Regoli D, Gross F: Quantitative assay and disappearance rate of circulating renin. Amer J Physiol 206:1361-4, Jun 64
- Gross F**  
Ziegler M, Gross F: Effect of blood volume changes on renin-like activity in blood. Proc Soc Exp Biol Med 116:774-8, Jul 64
- Gross HP**  
Gross HP: Myelomeningocele in one identical twin. J Neurosurg 20:459-60, May 63
- Gross J**  
Witz I, Hermann G, Plikowski M, Gross J: The antigenic composition of tumours, sera and urines of tumour-bearing mice and the partial purification of two antigens present in increased amounts. Brit J Cancer 18:397-406, Jun 64
- Gross L**  
Dmochowski L, Padgett F, Gross L: An electron microscope study of rat leukemia induced with mouse leukemia virus (Gross). Cancer Res 24:869-99, Jun 64
- (Gross RC)**  
(Gross RC), Pollack H: Robert C. Gross (1900-1963). Radiology 83:144, Jul 64
- Gross RE**  
Key SV, Glickman RM, Bernhard WF, Gross RE, Diamond LK: Quantitative assay of the fibrinolytic



# ABRIDGED INDEX MEDICUS

- system in chest heart surgery.  
Surg Forum 15:283-3, 1964
- Gross SD**  
(Gross SD): Samuel D. Gross (1805-1884)--surgical pathologist. JAMA 189:1024-5, 28 Sep 64
- Grossi CE**  
Bono RF, Slattery JR, Grossi CE, Rousselot LM: Hepatic regulation of fibrinolysis--the liver as the source of inhibitor. Surg Forum 15:94-5, 1964
- Grossman AR**  
Grossman AR: On the granulation of wounds. Plast Reconstr Surg 34:199, Aug 64
- Grossman BJ**  
Johnson EE, Stollerman GH, Grossman BJ: Rheumatic recurrences in patients not receiving continuous prophylaxis. JAMA 190:407-13, 2 Nov 64
- Grossman RG**  
Grossman RG: Microelectrode analysis of substantia nigra-globus pallidus projections. Surg Forum 15:398-400, 1964
- Grosvenor CE**  
Grosvenor CE: Influence of the nursing stimulus upon thyroid hormone secretion in the lactating rat. Endocrinology 75:15-21, Jul 64
- Grover AD**  
Jain IS, Grover AD: Pulseless disease. Brit J Ophthalmol 47:304-7, May 63
- Gruchy CL**  
Dunworth DL, Wilson MR, Gruchy CL, McCallum G: Malignant synovialoma in a cow. J Path Bact 88:83-7, Jul 64
- Gruenstein M**  
Shay H, Gruenstein M, Shimkin MB: Inhibition of mammary cancer in rats by a dithiocarbamoylhydrazine (ICI-33,828). Cancer Res 24:998-1001, Jul 64
- Grüttner R**  
Dräger J, Grüttner R, Theilmann W: Avoidance of side-reactions and loss of drug efficacy during long-term administration of carbonic anhydrase inhibitors by concomitant supplemental electrolyte administration. Brit J Ophthalmol 47:457-68, Aug 63
- Gschwend N**  
Gschwend N: Die Behandlung der kongenitalen Hüftdysplasie im 1. Lebensjahr. Helv Paediat Acta 19:50-68, Jun 64 (Ger)
- Gubbay SS**  
Pearce JM, Gubbay SS, Hardy J, Pennington RJ, Newell DJ, Walton JN: Laevadosin in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. Brit Med J 5414:915-7, 10 Oct 64
- Gueft B**  
Amirani MT, Rohman M, Oka M, Kikkawa Y, Gueft B, State D: Functional and pathologic changes in the reimplanted lung. Surg Forum 15:177-9, 1964
- Guerrero-Figueroa R**  
Guerrero-Figueroa R, De Balbian Verster F, Barros A, Heath RG: Cholinergic mechanism in subcortical mirror focus and effects of topical application of gamma-aminobutyric acid and acetylcholine. Epilepsia (Amst) 5:140-55, Jun 64
- Guerrero-Figueroa R**  
Guerrero-Figueroa R, Barros A, Heath RG, Gonzalez G: Experimental subcortical epileptiform focus. Epilepsia (Amst) 5:112-39, Jun 64
- Guest KE**  
Guest KE, McLay WD: Treatment of muscular dystrophy with a nucleotides- nucleosides combination. Brit J Clin Pract 18:395-400, Jul 64
- Guidotti G**  
Guidotti G, Konigsberg W: The characterization of modified human hemoglobin. I. Reaction with iodoacetamide and N-ethylmaleimide. J Biol Chem 239:1474-84, May 64
- Guidotti GG**  
Guidotti GG, Fonnenu A, Ciaranfi E: Inhibition of amino acid incorporation into protein of Yoshida ascites hepatoma cells by glyceraldehyde. Cancer Res 24:900-5, Jun 64
- Guilbert JJ**  
Guilbert JJ: Les examens objectifs: que cherche-t-on à évaluer? Presse Med 72:2555-6, 17 Oct 64 (Fr)
- Guild HG**  
Cantrell JR, Guild HG: Congenital stenosis of the trachea. Amer J Surg 108:297-305, Aug 64
- Guilford FR**  
Guilford FR, Williams GH, Halpert B: Tympanic perforation closure with autogenous fresh vein; experimental study in dogs. Arch Otolaryng (Chicago) 80:398-401, Oct 64
- Guirard BM**  
Guirard BM, Snell EE: Effect of polyamine structure on growth stimulation and spermine and spermidine content of lactic acid bacteria. J Bact 88:72-80, Jul 64
- Guiso GF**  
Liguori G, Guiso GF, Campanacci L: The effects of metopirone on glucose metabolism. Metabolism 13:499-506, Jun 64
- Gulati OD**  
Verma BS, Gulati OD, Gokhale SD, Shah KC: Guanethidine and phenoxylbenzamine in atopic dermatitis. A clinical trial. Arch Derm (Chicago) 90:414-7, Oct 64
- Gullino PM**  
Gullino PM, Clark SH, Grantham FH: The interstitial fluid of solid tumors. Cancer Res 24:780-94, Jun 64
- Gunn A**  
Gunn A, Michie W, Irvine WJ: The thymus in thyroid disease. Lancet 2:776-8, 10 Oct 64
- Gunner HB**  
Gunner HB, Alexander M: Anaerobic growth of Fusarium oxysporum. J Bact 87:1309-16, Jun 64
- Günther O**  
Günther O: Neue Impulse der Choleraforschung. Deutsch Med Wschr 89:1958-9, 9 Oct 64 (Ger)
- Gurdjian ES**  
Lindner DW, Gurdjian ES: Static atherosclerotic occlusive lesion: a five-year "watch" on a carotid stenosis: report of a case. J Neurosurg 20:149-50, Oct 63
- Gurdjian ES**  
Simmons DR, Portner RO, Gurdjian ES: Packing with muscle of internal carotid artery for aneurysm with immediate occlusion and subsequent establishment of flow. J Neurosurg 20:1000-4, Nov 63
- Gurdjian ES**  
Gurdjian ES, Hardy WG, Lindner DW, Thomas LM: Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. J Neurosurg 20:418-27, May 63
- Gurel L**  
Ullmann LP, Gurel L: Size, staffing, and psychiatric hospital effectiveness. Arch Gen Psychiat (Chicago) 11:360-7, Oct 64
- Guri CD**  
Guri CD, Bernstein DS: Effect of parathyroid hormone on mucopolysaccharide synthesis in rachitic rat cartilage in vitro. Proc Soc Exp Biol Med 116:702-5, Jul 64
- Gurvitch AM**  
Gurvitch AM: The significance of N. amygdalae in the genesis of electrical activity of the brain during recovery after prolonged circulatory arrest. Electroenceph Clin Neurophysiol 16:549-60, Jun 64
- Gussow Z**  
Gussow Z: The observer-observed relationship as information about structure in small-group research; a comparative study of urban elementary school classrooms. Psychiatry 27:230-47, Aug 64
- Guthrie J**  
Guthrie J: Histological effects of intra-testicular injections of cadmium chloride in domestic fowl. Brit J Cancer 18:255-60, Jun 64
- Gutmann HR**  
King CM, Gutmann HR: The action of the carcinogen N-(2-fluorenyl)acetamide on rat liver catalase and arginase in vivo. Cancer Res 24:770-9, Jun 64
- Güvener A**  
Güvener A, Bagchi BK, Kool KA, Calhoun HD: Mental and seizure manifestations in relation to brain tumors. A statistical study. Epilepsia (Amst) 5:166-76, Jun 64
- Guy JL**  
Potter GD, Guy JL: A micro method for analysis of plasma salicylate. Proc Soc Exp Biol Med 116:658-60, Jul 64
- Guyton AC**  
Carrier O Jr, Cowser M, Hancock J, Guyton AC: Effect of hydrogen ion changes on vascular resistance in isolated artery segments. Amer J Physiol 207:168-72, Jul 64
- Guze LB**  
Ando S, Guze LB, Gold EM: ACTH release in vivo and in vitro: extrapituitary mediation during Esch. coli bacteremia. Endocrinology 74:894-901, Jun 64
- Guzman SV**  
Guzman SV, Chavez FR, Imperial ES: Myocardial blood flow after experimental pulmonary embolism in the intact dog. Amer Heart J 68:66-70, Jul 64

## H

- Hack MH**  
Hack MH, Helmy FM: An analysis of melanoprotein from amphibia liver and from a human liver melanoma. Proc Soc Exp Biol Med 118:348-50, Jun 64
- Hackett E**  
Hackett E, Thompson A: Anti-lens antibody in human sera. Lancet 2:663-6, 20 Sep 64
- Haddy FJ**  
Selby DM, Haddy FJ, Campbell GS: Vasodilator material in ischemic tissues. Surg Forum 15:232-3, 1964
- Haeflén FF van**  
Haeflén FF van: A congenital anomaly of the aorto-iliac bifurcation. Vasc Dis 1:109-12, Mar 64
- Hafetz ES**  
Hafetz ES: Uterine and placental enzymes; a review. Acta Endocr (Copenhagen) 48:217-29, Jun 64
- Hafner CD**  
Loeffler I, Hafner CD: Survival rate in obstructing carcinoma of colon. Arch Surg (Chicago) 89:716-8, Oct 64
- Haft H**  
Haft H, Shenkin HA: Spinal epidural meningioma: case report. J Neurosurg 20:801-4, Sep 63
- Hagberg B**  
Hagberg B, Hirsch C, Steen M: Resection of the obturator nerve in the treatment of adductor spasticity in cerebral palsy. Acta Orthop Scand 34:258-70, 1964
- Haggard ME**  
Hansen AE, Wiese HF, Adam DJ, Boelsche AN, Haggard ME, Davis H, Newsom WT, Pesut L: Influence of diet on blood serum lipids in pregnant women and newborn infants. Amer J Clin Nutr 15:11-9, Jul 64
- Hagihara P**  
Abelson KB, Rikkers H, Hagihara P: Experimental lymphocytopenia and hypogammaglobulinemia production. Surg Forum 15:149-50, 1964
- Haglin JJ**  
Haglin JJ, Arnar O: Physiologic studies of the baboon living on only the reimplanted lung. Surg Forum 15:175-6, 1964
- Hähnel R**  
Hähnel R, Martin JD: Urinary oestrogen excretion in threatened abortion. J Obstet Gynaec Brit Comm 71:599-603, Aug 64
- Hahnloser P**  
Hoyt RK, Domagie E, Hahnloser P, Delin NA, Schenk WG Jr: Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextrans, or shed blood. Surg Forum 15:34-5, 1964
- Haines IA**  
Bogner PH, Haines IA: Functional development of active sugar transport in the chick intestine. J Physiol 207:37-41, Jul 64
- Hakim AA**  
Hakim AA, Lifson N: Urea transport across dog intestinal mucosa in vitro. Amer J Physiol 206:1315-20, Jun 64
- Halas ES**  
Buchwald JS, Standish M, Eldred E, Halas ES: Contribution of muscle spindle circuits to learning as suggested by training under flaxedil. Electroenceph Clin Neurophysiol 16:582-94, Jun 64
- Halasz NA**  
Caplan BB, Halasz NA, Bloomer WE: Resection and ligation of the suprarenal inferior vena cava. J Urol 92:25-9, Jul 64
- Halasz NA**  
Halasz NA, Orloff MJ: New freeze-protecting compounds and their screening. Surg Forum 15:214-5, 1964
- Halasz NA**  
Baddeley RM, Nutting RO, Ross TH, Sloop RD, Halasz NA, Orloff MJ: Gastric secretion in experimental liver disease. Surg Forum 15:114-6, 1964
- Halasz NA**  
Orloff MJ, Baddeley RM, Ross TH, Nutting RO, Halasz NA, Neesby T: Regulation of aldosterone secretion by an hepatic receptor. Surg Forum 15:74-6, 1964
- Halden A**  
Halden A, Eisenberg E, Gordan GS: Parathyroid hormone and phosphate homeostasis in man. Acta Endocr (Copenhagen) 48:285-91, Jun 64
- Halden A**  
Graham WP 3d, Gordan GS, Loken HF, Blum A, Halden A: Effect of pregnancy and of the menstrual cycle on hypoparathyroidism. J Clin Endocr 24:512-6, Jun 64
- Hale LJ**  
Hale LJ, Morton EV, Spooner DF, Woolfe G: New penicillin. Brit Med J 5414:940, 10 Oct 64
- (Hale-White W)**  
(Hale-White W): Sir William Hale-White (1857-1949)--medical biographer and editor. JAMA 190:393, 28 Oct 64
- Haley HB**  
Haley HB, Stroud AN: Constancy of chromosome karyotype in human tumors H.A. 1 and H.Ep. 3 maintained in laboratory animals. Cancer Res 24:639-47, May 64
- Haley HB**  
Nora PF, Mittelpunkt AI, Haley HB, Laufman H: Protein bound iodine in the thyroid vein of man. Surg Forum 15:79-80, 1964
- Hall PF**  
Hall PF, Koritz SB: Influence of calcium ions and freezing upon the conversion of cholesterol-7-alpha-3H to corticosterone-3H by homogenate of rat adrenal. Endocrinology 75:135-7, Jul 64
- Hall TC**  
Ngu VA, Roberts D, Hall TC: Studies on folic reductase. I. Levels in regenerating rat liver and the effect of methotrexate administration. Cancer Res 24:989-93, Jul 64
- Hall-Smith SP**  
Hall-Smith SP: Malignant atrophic papulosis (Dagor's syndrome). Proc Roy Soc Med 57:519-21, Jun 64
- Hallac I**  
Hallac I, Bakay L: New instrument for brain biopsy. J Neurosurg 20:529-30, Jun 63
- Hallberg RJ**  
Hallberg RJ, Lessler K, Kane FJ: Korsakoff-like psychosis associated with benzodiazepine overdosage. Amer J Psychiat 121:188-9, Aug 64
- Haller JA Jr**  
Haller JA Jr, Adkins JC, Rauenhorst J: Total bypass of the superior vena cava into both lungs. Surg Forum 15:264-5, 1964
- Haller JA Jr**  
Bachman K, Haller JA Jr: Experimental caustic burns of the esophagus. Surg Forum 15:307-8, 1964
- Haller JA Jr**  
Ebert JA, Haller JA Jr: Distribution of tritium labeled thymocytes in newborn mice. Surg Forum 15:125-6, 1964
- Hallum JV**  
Youngner JS, Hallum JV: Cystine-independent thermoresistant mutants of poliovirus. J Bact 88:265-6, Jul 64
- Hallwright GP**  
Hallwright GP, North KA, Reid JD: Pigmentation and Cushing's syndrome due to malignant tumor of the pancreas. J Clin Endocr 24:496-500, Jun 64
- Halmán KE**  
Duncan W, Halmán KE: Giant haemangioma with thrombocytopenia. Clin Radiol 15:224-31, Jul 64
- Halonen PI**  
Paloheimo J, Merikallio E, Halonen PI, Peräsalo O: Mitral stenosis and mitral commissurotomy. Pre- and postoperative observations. Ann Chir Gynaec Fenn 53:289-304, 1964
- Halpern AJ**  
Zelenik JS, Halpern AJ, Williams DW: Treatment of neoplastic effusions with chlorambucil. Obstet Gynec 23:703-7, May 64
- Halpert B**  
Guilford FR, Williams GH, Halpert B: Tympanic perforation closure with autogenous fresh vein; experimental study in dogs. Arch Otolaryng (Chicago) 80:398-401, Oct 64
- Halver JE**  
Chance RE, Merla ET, Halver JE: Nutrition of salmonid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relationships between isoleucine and leucine for growth. J Nutr 83:177-85, Jul 64
- Halvorsen S**  
Halvorsen S, Gjessing LR: Studies on tyrosinosis: 1, effect of low-tyrosine and low-phenylalanine diet. Brit Med J 5418:1171-3, 7 Nov 64



# ABRIDGED INDEX MEDICUS

- Halvorson HN**  
Howard TE, Halvorson HN, Walden CC: Toxicity of copper compounds to the snail vector hosts of the agent of Schistosoma dermatitis, in waters of differing hardness. *Amer J Hyg* 80:33-44, Jul 64
- Halvorson HO**  
Kominick LA, Halvorson HO: Mode of inhibition of sporulation of *Bacillus cereus* by ethyl malonate and ethyl succinate. *J Bact* 88:263, Jul 64
- Ham TH**  
Ham TH: The training of the physician. Research in the teaching-learning process—two experimental modules. *New Eng J Med* 271:1042-6, 12 Nov 64
- Hamburger J**  
Royer P, Frezal J, Hamburger J, Netter A, Pequignot H: Comment traiter les retards de croissance. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)
- Hamburger J**  
Frezal J, Alagille D, Derot M, Hamburger J, Netter A, Royer P, Pequignot H: Comment reconnaître et traiter une glycogénose hépatique. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)
- Hamburger J**  
Auquier L, Bonis A, Hamburger J, Lhermitte F, Pequignot H: Etat actuel du traitement de la maladie de Parkinson. *Presse Med* 72:2531-4, 17 Oct 64 (Fr)
- Hamburger J**  
Rambert P, Alagille D, Derot M, Hamburger J, Royer P, Pequignot H: Problèmes thérapeutiques posés par les diabètes instables. *Presse Med* 72:2229-31, 19 Sep 64 (Fr)
- Hamby WB**  
Hamby WB: Intracranial surgery for aneurysm: effect of hypothermia upon survival. *J Neurosurg* 20:41-5, Jan 63
- Hamernik RJ**  
Hamernik RJ, Eraslan S, Hardy JD: Uterine reimplantation in dogs. *Surg Forum* 15:383-5, 1964
- Hamilton EJ**  
Eidus L, Hamilton EJ: In vitro tests with 4,4'-disoamylxythiocarbonyl. *Amer Rev Resp Dis* 90:258-60, Aug 64
- Hamilton JB**  
Hamilton JB, Bunch LD, Mestier GE, Imagawa R: Effect of castration in man upon blood sedimentation rate, hematocrit and hemoglobin. *J Clin Endocr* 24:506-11, Jun 64
- Hamilton JG**  
Hamilton JG: The training of the physician. Continuing education—a British view. *New Eng J Med* 271:938-40, 29 Oct 64
- Hamilton RD**  
Genest AS, Bingham WG, Hamilton RD: Bilateral subdural empyema. Report of a case with arteriograms. *J Neurosurg* 20:524-6, Jun 63
- Hamilton WK**  
Bruderman I, Somers K, Hamilton WK, Tooley WH, Butler J: Effect of surface tension on circulation in the excised lungs of dogs. *J Appl Physiol* 19:707-12, Jul 64
- Hamlin H**  
Hamlin H: Life or death by EEG. *JAMA* 190:112-4, 12 Oct 64
- Hammer J**  
Cort JH, Hammer J, Ulyrch M, Pisa Z, Dousa T, Rudinger J: Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. *Lancet* 2:840-1, 17 Oct 64
- Hammon WM**  
Hammon WM, Sather GE: Virological findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand. *Amer J Trop Med* 13:629-41, Jul 64
- Hammon WM**  
Hammon WM, Kempe LG, Hayes GF: Angiographic appearance of a papilloma of the choroid plexus of the lateral ventricle. *J Neurosurg* 20:711-4, Aug 63
- Hammond D**  
Engel RR, Hammond D, Eitzman DV, Pearson H, Krivit W: Transient congenital leukemia in 7 infants with mongolism. *J Pediatr* 65:303-5, Aug 64
- Hampers CL**  
Merrill JP, Schupak E, Cameron E, Hampers CL: Hemodialysis in the home. *JAMA* 190:468-70, 2 Nov 64
- Hampers CL**  
Hampers CL, Prager D, Senior JR: Post-transfusion anicteric hepatitis. *New Eng J Med* 271:749-54, 8 Oct 64
- Hansa WR Jr**  
Anderson LD, Hansa WR Jr, Waring TL: Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64
- Hanashiro PK**  
Mehl RL, Paul HA, Hanashiro PK, Beattie EJ Jr: Successful treatment of crush and amputation shock following prolonged periods of ischemia. *Surg Forum* 15:1-3, 1964
- Hancock DO**  
Hancock DO: The fate of replaced bone flaps. *J Neurosurg* 20:983-4, Nov 63
- Hancock J**  
Carrier O Jr, Cowsett M, Hancock J, Guyton AC: Effect of hydrogen ion changes on vascular resistance in isolated artery segments. *Amer J Physiol* 207:168-72, Jul 64
- Handa J**  
Handa J: Experimental studies on the production and prevention of cerebral infarction in dogs. *J Neuropath Exp Neurol* 23:457-76, Jul 64
- Handfield-Jones RP**  
Wolfendale M, Handfield-Jones RP: The prevention of cervical cancer. Who takes the smears? *Lancet* 2:901-2, 24 Oct 64
- Handler AH**  
Cardinali G, Cardinali G, DeCaro BM, Handler AH, Aboul-Enen M: Effect of high doses of cortisone on bone marrow cell proliferation in the Syrian hamster. *Cancer Res* 24:969-72, Jul 64
- Handler P**  
Rajagopalan KV, Handler P: The absorption spectra of iron-flavoproteins. *J Biol Chem* 239:1509-14, May 64
- Handschumacher RE**  
Rubin RJ, Reynard A, Handschumacher RE: An analysis of the lack of drug synergism during sequential blockade of de novo pyrimidine biosynthesis. *Cancer Res* 24:1002-7, Jul 64
- Hanks JH**  
Reich CV, Hanks JH: Use of *Arthrobacter terregens* for bioassay of mycobactin. *J Bact* 87:1317-20, Jun 64
- Hanlon CR**  
Willman VL, Cooper T, Hanlon CR: Return of neural responses after autotransplantation of the heart. *Amer J Physiol* 207:187-9, Jul 64
- Hanlon TE**  
Michaux MH, Hanlon TE, Ota KY, Kurland AA: Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. *Curr Ther Res* 6:331-9, May 64
- Hanlon TJ**  
Gephardt MC, Hanlon TJ, Matson CF: Blood uric acid values as related to sex and age. *JAMA* 189:1028-9, 28 Sep 64
- Hanna L**  
Hanna L, Bernkopf H: Trachoma viruses isolated in the United States. 8. Separation of TRIC viruses from related agents by immunofluorescence. *Proc Soc Exp Biol Med* 116:827-31, Jul 64
- Hannoun C**  
Coin L, Hannoun C, Gomella C: Inactivation par l'ozone du virus de la poliomyélite présent dans les eaux. *Presse Med* 72:2153-6, 12 Sep 64 (Fr)
- Hansard SL**  
Hansard SL: Total body water in farm animals. *Amer J Physiol* 206:1369-72, Jun 64
- Hansen A**  
(Hansen A), Rokstad I: Gerhard Henrich Armauer Hansen. Address delivered at inauguration of the Armauer Hansen Memorial Room, February 18, 1962. *Int J Leprosy* 32:64-70, Jan-Mar 64
- Hansen AE**  
Hansen AE, Wiese HF, Adam DJ, Boelsche AN, Haggard ME, Davis H, Newsom WT, Pesut L: Influence of diet on blood serum lipids in pregnant women and newborn infants. *Amer J Clin Nutr* 15:11-9, Jul 64
- Hansen JW**  
Hansen JW: Statometric studies on patients operated upon for slipped disc in the lumbar region. *Acta Orthop Scand* 34:225-36, 1964
- Hanson AW**  
Hanson AW, Cannefax GR: Isolation of *Borrelia* reflagin in pure culture from patients with condylomata acuminata. *J Bact* 88:111-3, Jul 64
- Hanson DV**  
Smith B, Hanson DV: The ductus venosus of the human liver. *Surg Forum* 15:394-6, 1964
- Hanson JS**  
Falsetti HL, Naeye RL, Tabakin BS, Hanson JS: Uncomplicated total anomalous pulmonary venous return below the diaphragm. Report of a case. *Dis Chest* 46:102-6, Jul 64
- Hanssler H**  
Hanssler H: Lebensbedrohliche Naphthalinvergiftung bei einem Säugling durch Vaporin-Dämpf. *Deutsch Med Wschr* 89:1794-7, 18 Sep 64 (Ger)
- Hantover MJ**  
Stille WT, Hantover MJ: Dosages of various trivalent and monovalent adenovirus vaccines in the prophylaxis of acute respiratory illness. *Amer J Hyg* 80:121-34, Jul 64
- Haque IU**  
Bakay L, Haque IU: Morphological and chemical studies in cerebral edema. I. Cold induced edema. *J Neuropath Exp Neurol* 23:393-418, Jul 64
- Harakal C**  
Harakal C, Sevy RW, Rusy BF: Hemodynamic effects of tyramine. *J Pharmacol Exp Ther* 144:89-96, Apr 64
- Harandian E**  
Rabinovitch J, Harandian B, Friedman HP, Arlen M, Rabinovitch P: Congenital anomalies of the cystic duct. *J Int Coll Surg* 42:372-8, Oct 64
- Harbert GM Jr**  
Harbert GM Jr, Scoggin WA, McGaughey HS Jr, Thornton WN Jr: Placental hemodynamics in an artificial system. *Surg Forum* 15:388-9, 1964
- Harcourt-Webster JN**  
Harcourt-Webster JN: A retroperitoneal tumour of the chemodectoma type. *J Clin Path* 17:444-7, Jul 64
- Hardaway RM**  
Hardaway RM, Elovitz MJ, Brewster WR Jr, Houchin DN: Clotting time of heparinized blood. Influence of acidosis. *Arch Surg (Chicago)* 89:701-5, Oct 64
- Harden RM**  
Harden RM, Forrest AP: Cushing's syndrome with atypical biochemical results. *Acta Endocr (Copenhagen)* 48:256-64, Jun 64
- Harden RM**  
Alexander WD, Harrison MT, Harden RM, Koutras DA: The effect of total fasting on thyroid function in man. *Metabolism* 13:587-90, Jul 64
- Hardung V**  
Hardung V: Die Bedeutung der Anisotropie und Inhomogenität bei der Bestimmung der Elastizität der Blutgefäße II. *Angiologica (Basel)* 1:185-96, 1964 (Ger)
- Hardung V**  
Hardung V: Die Bedeutung der Anisotropie und Inhomogenität bei der Bestimmung der Elastizität der Blutgefäße. II. *Angiologica (Basel)* 1:185-96, 1964 (Ger)
- Hardwicke J**  
Hardwicke J, Rankin JG, Baker KJ, Preisig R: The loss of protein in human and canine hepatic bile. *Clin Sci* 26:509-17, Jun 64
- Hardy J**  
Pearce JM, Gubbay SS, Hardy J, Pennington RJ, Newell DJ, Walton JN: Laevadosin in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. *Brit Med J* 54:14:915-7, 10 Oct 64
- Hardy JD**  
Hamernik RJ, Eraslan S, Hardy JD: Uterine reimplantation in dogs. *Surg Forum* 15:383-5, 1964
- Hardy KL**  
May JA, Byrne WD, Yee J, Hardy KL, Samson PC: Left colon total bypass for benign and malignant disease of the esophagus. *Amer J Surg* 108:204-14, Aug 64
- Hardy PH Jr**  
Hardy PH Jr, Lee YC, Nell EE: Use of a bacterial culture filtrate as an aid to the isolation and growth of anaerobic spirochetes. *J Bact* 87:1521-5, Jun 64
- Hardy WG**  
Gurdjian ES, Hardy WG, Lindner DW, Thomas LM: Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. *J Neurosurg* 20:418-27, May 63
- Hargis BJ**  
Malkiel S, Hargis BJ: Anaphylactic reactions in mice induced by Bordetella pertussis lipopolysaccharide. *J Allergy* 35:306-12, Jul-Aug 64
- (Harrington CR)**  
(Harrington CR), Pitt-Rivers R: Sir Charles Harrington and the structure of thyroxine. *Mayo Clin Proc* 39:553-9, Aug 64
- Harrington M**  
Harrington M: Malignant hypertension. *Practitioner* 193:35-42, Jul 64
- Harkins HN**  
Berci G, Stevenson JK, Nyhus LM, Harkins HN, Majewska A, Smuckler E: The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. *Amer J Surg* 108:250-6, Aug 64
- Harkins HN**  
Condon RE, Nyhus LM, Harkins HN: Isolated perfused bovine liver: responses to common vasoactive drugs. *Arch Surg (Chicago)* 89:602-8, Oct 64
- Harkins HN**  
Semb LS, Rheault MJ, Stevenson JK, Fletcher TL, Harkins HN, Nyhus LM: A gastric inhibitory substance from dog antral juice. *Surg Forum* 15:319-21, 1964
- Harkness ML**  
Fry P, Harkness ML, Harkness RD: Mechanical properties of the collagenous framework of skin in rats of different ages. *Amer J Physiol* 206:1425-9, Jun 64
- Harkness RD**  
Fry P, Harkness ML, Harkness RD: Mechanical properties of the collagenous framework of skin in rats of different ages. *Amer J Physiol* 206:1425-9, Jun 64
- Harley JH**  
Harley JH: Radioactive contamination of the human diet and of man. *Arch Environ Health (Chicago)* 9:649-53, Nov 64
- Harms E**  
(Heinroth JC), Harms E: Self-treatment of mental illness as suggested in 1834. *Amer J Psychiatry* 121:193-4, Aug 64
- Harnack GA von**  
Harnack GA von: Hemmt Hunger während der Säuglingszeit das Gehirnwachstum und damit die Intelligenzentwicklung? *Deutsch Med Wschr* 89:1957-8, 9 Oct 64 (Ger)
- Harper AE**  
Wergedal JE, Harper AE: Metabolic adaptations in higher animals. 10: Glutamic dehydrogenase activity of rats consuming high protein diets. *Proc Soc Exp Biol Med* 116:600-4, Jul 64
- Harper PV**  
Mullan S, Harper PV, Tani E, Vailati G, Lathrop KA: A nuclear needle for use in neurosurgery. *J Neurosurg* 20:940-7, Nov 63
- Harper PV**  
Mullan S, Harper PV, Hekmatpanah J, Torres H, Dobbin G: Percutaneous interruption of spinal-pain tracts by means of a strontium-90 needle. *J Neurosurg* 20:931-9, Nov 63
- Harrington DA**  
Harrington DA: Hearing conservation programs and controversies. *Southern Med J* 57:1314-6, Nov 64
- Harris B**  
Harris B: Cortical alterations due to methionine sulfoximine. Ultrastructure during seizure activity. *Arch Neurol (Chicago)* 11:388-407, Oct 64
- Harris DF**  
MacDonald ID, Harris DF: Hypertension and life assurance. *Practitioner* 193:57-60, Jul 64
- Harris H**  
Mellman WJ, Oski FA, Tedesco TA, Maciera-Coelho A, Harris H: Leucocyte enzymes in Down's syndrome. *Lancet* 2:874-5, 20 Sep 64
- Harris H**  
Harris H: Enzymes and drug sensitivity. The genetics of serum cholinesterase 'deficiency' in relation to suxamethonium apnoea. *Proc Roy Soc Med* 57:503-6, Jun 64
- Harris PN**  
Rose CL, Chen KK, Harris PN: Mercuric cyanide poisoning and its treatment in dogs. *Proc Soc Exp Biol Med* 116:371-3, Jun 64
- Harris WH**  
Aufranc OE, Jones WN, Harris WH: Thoracic spine fracture with paralysis. *JAMA* 189:1018-21, 28 Sep 64
- Harris WH**  
Aufranc OE, Jones WN, Harris WH: Recurrent traumatic dislocation of the hip in a child. *JAMA* 190:291-4, 26 Oct 64
- Harrison BN**  
Fox MR, Harrison BN: Use of Japanese quail for the study of zinc deficiency. *Proc Soc Exp Biol Med* 116:256-9, Jun 64
- Harrison CV**  
Dempster WJ, Harrison CV, Shackman K: Rejection



# ABRIDGED INDEX MEDICUS

- processes in human homotransplanted kidneys.  
Brit Med J 5415:969-76, 17 Oct 84
- Harrison DC**  
**Harrison DC, Chidsey CA, Braunwald E:** Effect of hemorrhagic shock on release of norepinephrine by tyramine. *Amer J Physiol* 206:1262-8, Jun 84
- Harrison DG**  
**Kochakian CD, Elsas F, Harrison DG:** Androgen regulation of mouse kidney ribonucleases. *Acta Endocr (Copenhagen)* 46:179-84, Jun 84
- Harrison GE**  
**Widdowson EM, Harrison GE:** Babies' intake of strontium. *Lancet* 2:753-4, 3 Oct 84
- Harrison GF**  
**Harrison GF, Coates ME:** Studies of the growth-promoting activity for chicks of fish solubles. *Brit J Nutr* 18:461-6, 1964
- Harrison MT**  
**Alexander WD, Harrison MT, Harden RM, Koutras DA:** The effect of total fasting on thyroid function in man. *Metabolism* 13:587-90, Jul 84
- Harrison R**  
**Mendelson JH, Wexler D, Kubzansky PE, Harrison R, Leiderman G, Solomon P:** Physicians' attitudes toward alcoholic patients. *Arch Gen Psychiat (Chicago)* 11:392-9, Oct 84
- Harrison RW**  
**Rasmussen RA, Basinger CE, Harrison RW, Meade RH:** Choice of operation in the treatment of bronchogenic carcinoma. (A review of 813 cases of which 209 were treated by resection). *Dis Chest* 46:190-7, Aug 84
- Harrison TS**  
**Harrison TS, Turcotte J, Fry WJ, De Weese MS:** Illoform occlusive disease associated with aneurysms of the abdominal aorta. *New Eng J Med* 271:985-9, 5 Nov 84
- Hart CW**  
**Hart CW, Naunton RF:** The ototoxicity of chloroquine phosphate. *Arch Otolaryng (Chicago)* 80:407-12, Oct 84
- Hartemann P**  
**Kissel P, Hartemann P, Duc M, Duc ML:** Le réflexogramme achilléen dans les dysthyroïdies et dans les troubles du métabolisme électrolytique. *Presse Med* 72:2201-4, 19 Sep 84 (Fr)
- Hartman SW**  
**Hartman SW, Greaney EM Jr:** Traumatic injuries to the biliary system in children. *Amer J Surg* 108:150-6, Aug 84
- Hartmann G**  
**Hartmann G, Staub H:** Deficient absorption of buccally administered heparin. *Vasc Dis* 1:173-9, Jul 84
- Hartmanp CR Jr**  
**Hartmanp CR Jr:** Management of the burned hand. *Southern Med J* 57:1342-5, Nov 84
- Hartroft WS**  
**Hartroft WS:** Physiology in pathology. *Lab Invest* 33:602-9, Jun 84
- Harvey EK**  
**Greene HS, Harvey EK:** The relationship between the dissemination of tumor cells and the distribution of metastases. *Cancer Res* 24:799-811, Jun 84
- Harvey EK**  
**Greene HS, Harvey EK:** Metastasis from the brain. *Cancer Res* 24:1021-7, Jul 84
- Harvey JA**  
**Harvey JA, Heller A, Moore RY, Hunt HF, Roth LJ:** Effect of central nervous system lesions on barbiturate sleeping time in the rat. *J Pharmacol Exp Ther* 144:24-36, Apr 84
- Harvey R**  
**Innerfield I, Harvey R, Luongo F, Blincoe E:** Urine peptidase activity following single and multiple oral doses of streptokinase. *Proc Soc Exp Biol Med* 118:573-5, Jul 84
- Haserick JR**  
**Roenigk HH Jr, Haserick JR, Arundell FD:** Poststeroid panniculitis. Report of a case and review of the literature. *Arch Derm (Chicago)* 90:387-91, Oct 84
- Hashim SA**  
**Schilling FJ, Hashim SA, Leonardy JG:** Effect of controlled breakfast on serum cholesterol and triglycerides. *Amer J Clin Nutr* 15:1-4, Jul 84
- Hashimoto H**  
**Hashimoto H, Kono K, Mitsuhashi S:** Elimination of penicillin resistance of *Staphylococcus aureus* by treatment with acriflavine. *J Bact* 88:261-2, Jul 84
- Hashimoto K**  
**Gross BG, Hashimoto K:** Hereditary urticaria pigmentosa. *Arch Derm (Chicago)* 90:401-3, Oct 84
- Hashimoto S**  
**Hashimoto S, Cowley RA:** Treatment of experimental hemorrhagic shock in dogs with mitochondria. *Surg Forum* 15:10-2, 1964
- Haslam ET**  
**Haslam ET, Wickstrom J:** Orthopedic reconstructive procedures in the lower extremity in adults with acquired spastic paralysis. *Southern Med J* 57:1322-5, Nov 84
- Hassaballa AM**  
**Abdel Razzak M, Hassaballa AM, Naguib M:** Volume changes of dialysate during peritoneal lavage as determined by means of radioactive isotopes. *J Nucl Med* 5:480-3, Jun 84
- Hasse HM**  
**Alexander K, Hasse HM:** Untersuchungen zur Eignung trijodierter Röntgenkontrastmittel für die cerebrale Angiographie. *Angiologica (Basel)* 1:213-26, 1964 (Ger)
- Hassler O**  
**Hassler O:** Experimental carotid ligation followed by aneurysmal formation and other morphological changes in the circle of Willis. *J Neurosurg* 20:1-7, Jan 83
- Hast MH**  
**Hast MH:** Chronaxie of the vocal folds of the dog. *Ann Otol* 73:305-11, Jun 84
- Hatsuyama Y**  
**Yoshikawa S, Kawabata M, Hatsuyama Y, Hosokawa O, Fujita T:** Atypical vitamin-D resistant osteomalacia. Report of a case. *J Bone Joint Surg [Amer]* 46:998-1007, Jul 84
- Hattersley PG**  
**Hattersley PG:** Macrocytosis of the erythrocytes. A preliminary report. *JAMA* 189:997-9, 28 Sep 84
- Hauer Y**  
**Hauer Y, Barkay S:** Vitreous detachment in aphakic eyes. *Brit J Ophthalmol* 48:341-3, Jun 84
- Hauer Y**  
**Hauer Y, Romem M:** Retinal phlebitis and sinus disease. *Brit J Ophthalmol* 47:353-6, Jun 83
- Hauger-Klevane JH**  
**Dingman JF, Hauger-Klevane JH:** Treatment of diabetes insipidus: synthetic lysine vasopressin nasal solution. *J Clin Endocr* 24:550-3, Jun 84
- Hausman R**  
**Wilson WJ Jr, Hausman R:** The determination of thallium in organs and body fluids by a flame spectrophotometric method. *J Lab Clin Med* 64:154-9, Jul 84
- Haust MD**  
**Wyllie JC, More RH, Haust MD:** Demonstration of fibrin in yellow aortic streaks by the fluorescent antibody technique. *J Path Bact* 88:335-8, Jul 84
- Haut A**  
**Lee GR, Haut A, Cartwright GE, Wintrobe MM:** Genetic control of hemoglobin A2 synthesis: an unusual hereditary pattern in a family with thalassemia trait. *J Lab Clin Med* 64:72-8, Jul 84
- Havel RJ**  
**Havel RJ, Carlson LA, Ekelund LG, Holmgren A:** Turnover rate and oxidation of different free fatty acids in man during exercise. *J Appl Physiol* 19:813-8, Jul 84
- Hawkins JA**  
**Mays EE, Hawkins JA, Kuhn LR:** The clinical usefulness of fungal serologic testing. *Dis Chest* 46:205-10, Aug 84
- Hawtrey AO**  
**Hawtrey AO, Schoeman CA, Dijkstra J, Schirren V, Nourse L:** The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. *Brit J Cancer* 18:299-308, Jun 84
- Hay GA**  
**Hay GA:** A physical assessment of the Cineflex electro-optical image intensifier in television fluoroscopy. *Radiology* 83:86-91, Jul 84
- Hay MF**  
**Hay MF:** Effects of thalidomide on pregnancy in the rabbit. *J Reprod Fertil* 8:59-76, Aug 84
- Hayashi H**  
**Hayashi H, Nitta R, Miyashi H:** Conditions of reactivation of arthus-type inflammation by thiol compounds. *Proc Soc Exp Biol Med* 116:417-20, Jun 84
- Hayashi M**  
**Hayata Y, Hayashi M, Oho K, Shinoi K:** Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. *Dis Chest* 46:51-60, Jul 84
- Hayashi TT**  
**Lewis F, Schulman H, Hayashi TT:** Spectrophotometric analysis of amniotic fluid in erythroblastosis fetalis. *JAMA* 190:195-8, 19 Sep 84
- Hayata Y**  
**Hayata Y, Hayashi M, Oho K, Shinoi K:** Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. *Dis Chest* 46:51-60, Jul 84
- Hayes CP Jr**  
**Hayes CP Jr, Mayson JS, Owen EE, Robinson RR:** A micropuncture evaluation of renal ammonia excretion in the rat. *Amer J Physiol* 207:77-83, Jul 84
- Hayes GJ**  
**Hammon WM, Kempe LG, Hayes GJ:** Angiographic appearance of a papilloma of the choroid plexus of the lateral ventricle. *J Neurosurg* 20:711-4, Aug 83
- Hayes GJ**  
**Hayes GJ:** External carotid-cavernous sinus fistulas. *J Neurosurg* 20:692-700, Aug 83
- Hayes GG**  
**Kline DG, Hayes GG:** An experimental evaluation of the effect of a plastic adhesive, methyl 2-cyanoacrylate, on neural tissue. *J Neurosurg* 20:647-54, Aug 83
- Hayes GS**  
**Hayes GS:** Opportunities abroad for service in medical education and public health. *New Eng J Med* 271:993-5, 5 Nov 84
- Hayes RO**  
**Hayes RO, Daniels JB, Maxfield HK, Wheeler RE:** Field and laboratory studies on eastern encephalitis in warm- and cold-blooded vertebrates. *Amer J Trop Med* 13:595-606, Jul 84
- Hayes WJ Jr**  
**Hayes WJ Jr:** Occurrence of poisoning by pesticides. *Arch Environ Health (Chicago)* 9:621-5, Nov 84
- Hayes WJ Jr**  
**Stein WJ, Hayes WJ Jr:** Health survey of pest control operators. *Industr Med Surg* 33:549-55, Aug 84
- Haygarth J**  
**Haygarth J:** John Haygarth (1740-1827)—epidemiologist and rheumatologist. *JAMA* 190:542-3, 9 Nov 84
- Hayles AB**  
**Mattox VR, Hayles AB, Salassa RM, Dion FR:** Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. *J Clin Endocr* 24:517-27, Jun 84
- Haynes J**  
**Tonelli G, Haynes J, Heyder E, Ringler J:** Bioassay of adrenocorticosteroids by the dog eosinophil response. *Proc Soc Exp Biol Med* 116:501-6, Jun 84
- Hayreh SS**  
**Hayreh SS:** The chorio-retinal arteries. *Brit J Ophthalmol* 47:71-89, Feb 83
- Hayward J**  
**Hayward J, Howqua J:** Pulmonary embolism. A case successfully treated by embolectomy. *Lancet* 2:771-6, 10 Oct 84
- Hayward JL**  
**Bulbrook RD, Deshpande N, Ellis FG, Hayward JL, Parker J, Thomas BS, Wang DY:** Androgens in human breast cancer. *Proc Roy Soc Med* 57:523-5, Jun 84
- Hayworth P**  
**Martin DS, Hayworth P, Fugmann RA, English R, McNeill HW:** Combination therapy with cyclophosphamide and zymosan on a spontaneous mammary cancer in mice. *Cancer Res* 24:652-4, May 84
- Hazard J**  
**Hazard J, Gentilini M:** Septicémies et bactériémies à colibacille de l'adulte. A propos de 14 cas de septicémies. *Presse Med* 72:2089-93, 29 Aug 84 (Fr)
- Hazard JB**  
**Dunea G, Hazard JB, Kolff WJ:** Vascular changes in renal homographs. *JAMA* 190:199-202, 19 Sep 84
- Head ES**  
**Stone OJ, Mullins JF, Head ES:** Chronic paronychia—occupational material. *Arch Environ Health (Chicago)* 9:585-8, Nov 84
- Head LR**  
**Kezdi P, Head LR, Buck BA:** Mitral ball-valve prosthesis. Dynamic and clinical evaluation. *Circulation* 30:55-66, Jul 84
- Heady RE**  
**Jacobs NJ, Heady RE, Jacobs JM, Chan K, Deibel RH:** Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria. *J Bact* 87:1406-11, Jun 84
- Heaf F**  
**Heaf F:** Specialty of chest medicine. *Brit Med J* 5418:1196, 7 Nov 84
- Healey JE Jr**  
**Healey JE Jr, McBride CM, Gallager HS:** Is serosa-to-serosa approximation necessary in intestinal anastomosis? *Surg Forum* 15:297-9, 1964
- Healey JE Jr**  
**McBride CM, Healey JE Jr, Butler JJ, White EC:** Use of collagen cloth for repair of tissue defects. *Surg Forum* 15:70-1, 1964
- Healy MK**  
**Lithwick NH, Healy MK, Cohen J:** Micro-analysis of bone by laser microprobe. *Surg Forum* 15:439-41, 1964
- Heaney RP**  
**Heaney RP, Skillman TG:** Secretion and excretion of calcium by the human gastrointestinal tract. *J Lab Clin Med* 64:29-41, Jul 84
- Heaney RP**  
**Heaney RP, Bauer GC, Bronner F, Dymling JF, Lafferty RW, Nordin BE, Rich C:** A normal reference standard for radioisotope turnover and excretion in humans. *J Lab Clin Med* 64:21-8, Jul 84
- Heath JC**  
**Heath JC, Daniel MR:** The production of malignant tumours by nickel in the rat. *Brit J Cancer* 18:261-4, Jun 84
- Heath RG**  
**Guerrero-Figueroa R, De Balbian Verster F, Barros A, Heath RG:** Cholinergic mechanism in subcuticular mirror focus and effects of topical application of gamma-aminobutyric acid and acetylcholine. *Epilepsia (Amst)* 5:140-55, Jun 84
- Heath RG**  
**Guerrero-Figueroa R, Barros A, Heath RG, Gonzalez G:** Experimental subcuticular epileptiform focus. *Epilepsia (Amst)* 5:112-39, Jun 84
- Hébard L**  
**Hébard L:** Conditions médicales en Amazonie. *Presse Med* 72:2557-80, 17 Oct 84 (Fr)
- Hedinger CE**  
**Cronk RV, Gilliet FC, Hedinger CE:** Horseshoe kidney and calcific stenosis of the underlying terminal aorta in a newborn infant: report of a case. *J Urol* 92:6-8, Jul 84
- Hedner P**  
**Rerup C, Hedner P:** A screening test for long-acting corticotrophin preparations. *Acta Endocr (Copenhagen)* 46:279-84, Jun 84
- Hedrick LR**  
**Ling CM, Hedrick LR:** Proline oxidases in *Hansenula subpelliculosa*. *J Bact* 87:1462-70, Jun 84
- Heetderks DR Jr**  
**Heetderks DR Jr, Rapp R, Correa RJ Jr, Lapides J:** An improved method of excretory urography. *J Urol* 92:75-7, Jul 84
- Heggteit HA**  
**Heggteit HA, Campbell JS, Hooper GD:** Innominate arterial aneurysms occurring after blunt trauma. *Amer J Clin Path* 42:69-74, Jul 84
- Heimpel H**  
**Heimpel H, Finke J, Keiderling W:** Die Bestimmung der Lebenszeit menschlicher Erythrozyten mit radioaktivem Dihydroxyphosphat (DF32P) und ihre Anwendung in der Klinik. *Deutsch Med Wschr* 89:1463-8, 31 Jul 84 (Ger)
- Heine M**  
**Dahl IK, Heine M, Tassinari L:** Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. *Circulation* 30:Suppl 2:11-22, Aug 84
- Heining A**  
**Carruthers C, Heining A:** The fatty acid composition of the sterol-wax ester and mono- and diglyceride fractions of mouse epidermis undergoing normal and abnormal growth changes. *Cancer Res* 24:1008-11, Jul 84
- (Heinroth JC)**  
**(Heinroth JC), Harms E:** Self-treatment of mental illness as suggested in 1834. *Amer J Psychiat* 121:193-4, Aug 84
- Heintzen P**  
**Heintzen P:** Kardiologische Notfälle im Kindesalter. *Deutsch Med Wschr* 89:1477-82, 31 Jul 84 (Ger)
- Heiskanen O**  
**Troupp H, Heiskanen O, Tarkkanen A, Kojvusalo P, Aho J, Tarkkanen J:** The neurological deficit after extradural haematoma. *Lancet* 2:891-2, 24 Oct 84
- Heistad G**  
**Sharpley P, Mena A, Schiele BC, Heistad G:** A



- comparison of pargyline and tranlycypromine with and without the addition of trifluoperazine: a double-blind study. *Curr Ther Res* 6:344-52, May 64
- Hejl Z**  
Fabry P, Hejl Z, Fodor J, Braun T, Zvolankova K: The frequency of meals. Its relation to overweight, hypercholesterolaemia, and decreased glucose-tolerance. *Lancet* 2:614-5, 19 Sep 64
- Hejtmancik MR**  
Hejtmancik MR, Wright JC, Quint R, Jennings FL: The cardiovascular manifestations of systemic lupus erythematosus. *Amer Heart J* 68:119-30, Jul 64
- Hekmatpanah J**  
Mullan S, Harper PV, Hekmatpanah J, Torres H, Dobbin G: Percutaneous interruption of spinal-pain tracts by means of a strontium-90 needle. *J Neurosurg* 20:97-100, Nov 63
- Helela T**  
Helela T, Soils P: Roentgen finding in gastro-intestinal bleeding after resection of the stomach. *Ann Chir Gynaec Fenn* 53:364-7, 1964
- Heifman RJ**  
Heifman RJ: Toxic epidermal necrolysis. *Southern Med J* 57:365-8, Nov 64
- Heller A**  
Harvey JA, Heller A, Moore RY, Hunt HF, Roth LJ: Effect of central nervous system lesions on barbiturate sleeping time in the rat. *J Pharmacol Exp Ther* 144:24-36, Apr 64
- Heller H**  
Heller H, Misrahn HP, Sohar E, Gafni J: Amyloidosis: its differentiation into perireticulin and peri-collagen types. *J Path Bact* 88:15-34, Jul 64
- Hellerstein HK**  
Menges H Jr, Ankeney JL, Hellerstein HK: The clinical diagnosis and surgical management of ruptured mitral chordae tendineae. *Circulation* 30:8-16, Jul 64
- Hellman B**  
Alm G, Hellman B: Distribution of the two types of A cells in the pancreatic islets of some mammalian species. *Acta Endocr (Copenhagen)* 46:307-16, Jun 64
- Hellman D**  
Hellman D, Baird HR, Bartter FC: Relationship of maximal tubular phosphate reabsorption to dietary phosphate in the dog. *Amer J Physiol* 207:97-103, Jul 64
- Hellman D**  
Hellman D, Baird HR, Bartter FC: Relationship of maximal tubular phosphate reabsorption to filtration rate in the dog. *Amer J Physiol* 207:88-96, Jul 64
- (Helmholtz H von)**  
Helmholtz H von, Snyder C: Helmholtz at Columbia University. *Arch Ophthalmol (Chicago)* 72:573-6, Oct 64
- Helmworth JA**  
Keirle AM, Lewis CM, Helmworth JA, Altmeier WA: Hypothermic reduction of ammonia release into the circulation by the kidney. *Surg Forum* 15:102-3, 1964
- Helmy FM**  
Hack MH, Helmy FM: An analysis of melanoprotein from amphibia liver and from a human liver melanoma. *Proc Soc Exp Biol Med* 116:348-50, Jun 64
- Hemingway P**  
McNair DM, Lorr M, Hemingway P: Further evidence for syndrome-based psychotic types. *Arch Gen Psychiat (Chicago)* 11:368-76, Oct 64
- Henderson AM**  
Sokal JE, Sarcione EJ, Henderson AM: Relative potency of glucagon and epinephrine as hepatic glycogenolytic agents: studies with the isolated perfused rat liver. *Endocrinology* 74:930-8, Jun 64
- Henderson DA**  
Henderson DA, Witte JJ, Morris L, Langmuir AD: Paralytic disease associated with oral polio vaccines. *JAMA* 190:41-8, 5 Oct 64
- Henderson JW**  
Belau PG, Dyer JA, Ogle KN, Henderson JW: Correction of ametropia with intracorneal lenses. An experimental study. *Arch Ophthalmol (Chicago)* 72:541-7, Oct 64
- Henderson RJ**  
Henderson RJ, Chalmers JA, Wood J: The care of the umbilical stump in relation to cross infection in maternity units. *J Obstet Gynaec Brit Comm* 71:443-8, Jun 64
- Henderson WJ**  
Williams GA, Henderson WJ, Bowser EN: Amino acid transport by rat parathyroid glands in vivo: effect of low calcium diet. *Proc Soc Exp Biol Med* 116:651-3, Jul 64
- Hendricks SL**  
Hendricks SL, Borta IH: Observations on brucellosis in Iowa. *Public Health Rep* 79:868-70, Oct 64
- Hendrickse JP de**  
Hendrickse JP de, Cockshott WP, Evans KT, Barton CJ: Pelvic angiography in the diagnosis of malignant trophoblastic disease. *New Eng J Med* 271:859-66, 22 Oct 64
- Hendrickson FR**  
Hendrickson FR, Hibbs GG: Radiation effects on cell cycle dynamics. *Radiology* 83:131-40, Jul 64
- Hendrickson HS**  
Hendrickson HS, Ballou CE: Ion exchange chromatography of intact brain phospholipids on diethylaminoethyl cellulose by gradient salt elution in a mixed solvent system. *J Biol Chem* 239:1369-73, May 64
- Hendrix JW**  
Duncan GW, Lyster SC, Hendrix JW, Clark JJ, Webster HD: Biologic effects of melengestrol acetate. *Fertil Steril* 15:416-32, Jul-Aug 64
- Heneghan JB**  
DiVincenzi FC, Heneghan JB, Cohn I Jr: Tumor growth in germfree and monocontaminated animals. *Surg Forum* 15:350-2, 1964
- Heninger RW**  
Heninger RW, Newcomer WS: Plasma protein binding, half-life, and erythrocyte uptake of thyroxine and triiodothyronine in chickens. *Proc Soc Exp Biol Med* 116:624-8, Jul 64
- Henkin RI**  
Henkin RI, Levine ND, Sussman HH, Maxwell MH: Evidence for the presence of substances toxic for HeLa cells in the serum and in the dialysis fluid of patients with glomerulonephritis. *J Lab Clin Med* 64:79-88, Jul 64
- Henkind P**  
Henkind P: Hyperbaric oxygen and corneal neovascularisation. *Lancet* 2:836-8, 17 Oct 64
- Henley RB**  
Henley RB: Management of the parathyroid crisis. *Amer J Surg* 108:183-90, Aug 64
- Hennessy DH**  
Hennessy DH, Umbreit WW: Factors which modify the effect of sodium and potassium on bacterial cell membranes. *J Bact* 87:1266-73, Jun 64
- Hennessy DH**  
Hennessy DH, Umbreit WW: Influence of the physical state of the bacterial cell membrane upon the rate of respiration. *J Bact* 87:1274-80, Jun 64
- Hennessy DH**  
Hennessy DH, Umbreit WW: Factors which modify the effect of sodium and potassium on bacterial cell membranes. *J Bact* 87:1266-73, Jun 64
- Henning G**  
Blair E, Henning G, Hornick R, Cowley RA: Hypothermia in bacteremic shock. *Arch Surg (Chicago)* 89:619-29, Oct 64
- Henry E**  
Courbier R, Monties JR, Villani R, Henry E: Les réactions tissulaires au contact des fils de suture non résorbables. (Etude expérimentale comparative) *Presse Med* 72:2233-4, 19 Sep 64 (Fr)
- Henry JB**  
Henry JB, Little WA, Christian CD: Modified immunologic test for pregnancy. *Amer J Clin Path* 42:109-13, Jul 64
- Henry RJ**  
Jacobs SL, Henry RJ, Segalove M: Studies on the determination of bile pigments. V. Comparison of some methods for determination of total, free, and conjugated bilirubin in serum. *Clin Chem* 10:433-9, May 64
- Henry RJ**  
Henry RJ, Fernandez AA, Berkman S: Studies on the determination of bile pigments. VI. Urobilinogen in urine as urobilinogen-aldehyde. *Clin Chem* 10:440-6, May 64
- Henry RJ**  
Lee ND, Henry RJ, Golub OJ: Determination of the free thyroxine content of serum. *J Clin Endocr* 24:486-95, Jun 64
- Henson PE Jr**  
Jones WR, Henson PE Jr, Glenn JF: Response to mannitol under conditions simulating irrigant infusion during transurethral resection. *Surg Forum* 15:483-5, 1964
- Henze KG**  
Copp DH, Henze KG: Parathyroid origin of calcitonin-evidence from perfusion of sheep glands. *Endocrinology* 75:49-55, Jul 64
- Heptinstall RH**  
Kissane JM, Heptinstall RH: Experimental hydronephrosis: morphologic and enzymatic studies on renal tubules in ureteric obstruction and recovery in the rat. I. Alkaline and acid phosphatases. *Lab Invest* 13:539-46, Jun 64
- Heptinstall RH**  
Kissane JM, Heptinstall RH: Experimental hydronephrosis: morphologic and enzymatic studies of renal tubules in ureteric obstruction and recovery in the rat. II. Pentose phosphate pathway. *Lab Invest* 13:547-51, Jun 64
- Herberg D**  
Herberg D, Geisler L, Dengler HJ, Wagner F: Spastische Emphysembronchitis und chronisches Cor pulmonale. *Deutsch Med Wschr* 89:1782-6, 18 Sep 64 (Ger)
- Herbert VD**  
Duke M, Herbert VD, Abelman WH: Hemodynamic effects of blood transfusion in chronic anemia. *New Eng J Med* 271:975-80, 5 Nov 64
- Herd JA**  
Herd JA, Barger AC: Simplified technique for chronic catheterization of blood vessels. *J Appl Physiol* 19:791-2, Jul 64
- Herman MA**  
Katz R, Herman MA, Katz S: Tuberculosis of muscle. *JAMA* 190:472-3, 2 Nov 64
- Hermann G**  
Witz I, Hermann G, Piskovski M, Gross J: The antigenic composition of tumours, sera and urines of tumour-bearing mice and the partial purification of two antigens present in increased amounts. *Brit J Cancer* 18:397-406, Jun 64
- Herns RA**  
Herns RA, Blount WP: Effect of open reduction on fracture healing. *Surg Forum* 15:448-50, 1964
- Herndon CH**  
Pierce DS, Wallace WM, Herndon CH: Long-term treatment of vitamin-D resistant rickets. *J Bone Joint Surg [Amer]* 46:978-97, Jul 64
- Heron W**  
Vanderwolf CH, Heron W: Electroencephalographic waves with voluntary movement. Study in the rat. *Arch Neurol (Chicago)* 11:379-84, Oct 64
- Herr R**  
Starr A, Campbell TJ, Wood J, McCord C, Herr R, Menashe V: Transposition of the great vessels: recent experience with the Blalock-Hanlon procedure. *Amer J Surg* 106:198-203, Aug 64
- Herrer A**  
Herrer A: Chagas' disease in Peru. I. The epidemiological importance of the guinea pig. *Trop Geogr Med* 16:146-51, Jun 64
- Herrernan AG**  
Herrernan AG: Fatty acid composition of adipose tissue in normal and abnormal subjects. *Amer J Clin Nutr* 15:5-10, Jul 64
- Herring AB**  
Herring AB: Action of pronethalol on Parkinsonian tremor. *Lancet* 2:892, 24 Oct 64
- Hershey FB**  
Rigden MC, Brigham DW 3d, Nelson JS, Hershey FB: Histogenesis of breast cancer. *Surg Forum* 15:356-7, 1964
- Hertz R**  
Tullner WW, Hertz R: Suppression of corticosteroid production in the dog by monase. *Proc Soc Exp Biol Med* 116:837-40, Jul 64
- (Hess R)**  
(Hess R), Walsh MN: Historical responsibility of the psychiatrist. *Arch Gen Psychiat (Chicago)* 11:355-9, Oct 64
- Hessel EA 2d**  
Hessel EA 2d, Anderson HN, Matano I, Dillard DH, Merendino KA: Evaluation of prosthetic heart valves in the calf. *Surg Forum* 15:257-9, 1964
- Hester W**  
Gatgounis J, Hester W: Inotropic activity of a series of amino acids. *Proc Soc Exp Biol Med* 116:430-4, Jun 64
- Hetzel BS**  
Falconer IR, Hetzel BS: Effect of emotional stress and TSH on thyroid vein hormone level in sheep with exteriorized thyroids. *Endocrinology* 75:42-8, Jul 64
- Heuguet Y**  
Bezard J, Heuguet Y: Chirurgie du cancer de l'oesophage à deux équipes. *Presse Med* 72:2117-8, 20 Aug 64 (Fr)
- Heuillet G**  
Dumon G, Brouillet-Gabriel MT, Heuillet G: Essais thérapeutiques d'un nouvel antitussif injectable: le Kat 256. *Presse Med* 72:2389-90, 3 Oct 64 (Fr)
- Heuse A**  
Naets JP, Heuse A: Effect of anemic hypoxia on erythropoiesis of normal and uremic dogs with or without kidneys. *J Nucl Med* 5:471-9, Jun 64
- Hewson EG**  
Hewson EG: Congenital trigeminal anaesthesia. *Brit J Ophthalmol* 47:308-11, May 63
- Hewson GE**  
Hewson GE: Lipidproteinosis (Urbach-Wiethe syndrome). *Brit J Ophthalmol* 47:242-5, Apr 63
- Heyder E**  
Tonelli G, Haynes J, Heyder E, Ringler I: Bioassay of adrenocorticosteroids by the dog eosinophil response. *Proc Soc Exp Biol Med* 116:501-6, Jun 64
- Heyman A**  
Kong Y, Heyman A, Entman ML, McIntosh HD: Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. *Circulation* 30:109-13, Jul 64
- Heymann H**  
Heymann H, Manniello JM, Zeleznick LD, Barkulis SS: Structure of streptococcal cell walls. II. Group A biase and group A triose from C-polysaccharide. *J Biol Chem* 239:1656-63, May 64
- Hibbard BM**  
Hibbard BM: The role of folic acid in pregnancy; with particular reference to anaemia, abortion and abortion. *J Obstet Gynaec Brit Comm* 71:529-42, Aug 64
- Hibbs GG**  
Hendrickson FR, Hibbs GG: Radiation effects on cell cycle dynamics. *Radiology* 83:131-40, Jul 64
- Hibbs RG**  
Ferrans VJ, Hibbs RG, Black WC, Weibaecker DG: Isoproterenol-induced myocardial necrosis. A histochemical and electron microscopic study. *Amer Heart J* 68:71-90, Jul 64
- Hicks RG**  
Arkins R, Smessaert AA, Hicks RG: Mortality and morbidity in adult patients with coronary artery disease. *JAMA* 190:485-8, 9 Nov 64
- Hidalgo RJ**  
Rogers TE, Hidalgo RJ, Dimopoulos GT: Immunology and serology of Anaplasma marginale. I. Fractionation of the complement-fixing antigen. *J Bact* 88:81-6, Jul 64
- Hieron R**  
(Willis T), Hierons R, Myer A: Willis's place in the history of muscle physiology. *Proc Roy Soc Med* 57:687-92, Aug 64
- Higashi N**  
Higashi N, Sugai T: Granuloma faciale in a Japanese man. *Arch Derm (Chicago)* 90:432-4, Oct 64
- Higazi I**  
Higazi I, el-Banhawy A: The value of angiography in the differential diagnosis of pulsating exophthalmos: a report of 3 cases. *J Neurosurg* 21:561-6, Jul 64
- Higazi I**  
Higazi I: Intraspinal epidermoids: report of two cases. *J Neurosurg* 20:805-8, Sep 63
- Higazi I**  
Higazi I: Post-traumatic carotid thrombosis: report of a case with intensive angiographic study of the collateral circulation. *J Neurosurg* 20:354-9, Apr 63
- Higazi I**  
Higazi I: Tuberculoma of the brain. A clinical and angiographic study. *J Neurosurg* 20:378-86, May 63
- Higazi I**  
Higazi I: Epidural hematoma as complication of ventricular drainage. Report of a case and review of literature. *J Neurosurg* 20:527-8, Jun 63
- Higgins JT Jr**  
Urquhart J, Davis JO, Higgins JT Jr: Stimulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. *J Clin Invest* 43:1355-66, Jul 64
- Highman WJ**  
Drury AB, Palmer PH, Highman WJ: Carcinomatous metastasis to the vertebral bodies. *J Clin Path* 17:448-57, Jul 64
- Higley GB Sr**  
Feild JR, Higley GB Sr, DeSaussure RL Jr: Ochronosis



# ABRIDGED INDEX MEDICUS

- with ruptured lumbar disc: case report.  
J Neurosurg 20:348-51, Apr 63
- Hildebrand GJ  
Hildebrand GJ, Seys Y: Mechanism and significance of endotoxin-induced sensitization to acetylcholine in rabbits. Amer J Physiol 206:1213-6, Jun 64
- Hildebrandt RJ  
Hildebrandt RJ, Walsh H, Prystowsky H: Indwelling catheter and postoperative urinary-tract infection. Obstet Gynec 23:686-8, May 64
- Hilding AC  
Hilding AC: Remarks on the respiratory tract as a unit. Ann Otol 73:358-63, Jun 64
- Hill R  
Hill R, Freeman JJ, Michel I, Borman A: Characterization of a transplantable lactating mammary tumor: endocrinological, morphological, and biochemical aspects. Cancer Res 24:812-23, Jun 64
- Hill R  
Freeman JJ, Hill R, Iovino AJ, Michel I: Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. Endocrinology 74:990-3, Jun 64
- Hill DW  
Scott DJ, Dollery CT, Hill DW, Hodge JV, Fraser R: Fluorescein studies of the retinal circulation in diabetics. Brit J Ophthalmol 47:588-9, Oct 63
- Hill DW  
Hill DW, Dollery CT, Hodge JV, Scott DJ: Current developments in ophthalmology. Fluorescein studies of the choroidal circulation. Proc Roy Soc Med 57:500-2, Jun 64
- Hill FW  
Carew LB Jr, Hill FW: Effect of corn oil on metabolic efficiency of energy utilization by chicks. J Nutr 83:293-9, Aug 64
- Hill JT  
Hill JT, Snyder WH Jr, Pollock WF: Management of complicated meconium ileus. Amer J Surg 108:233-8, Aug 64
- Hill LD  
Hill LD, Kellogg H Jr, Crampton JH, Jones HW, Baker JW: Changing management of carcinoma of the thyroid. Amer J Surg 108:176-82, Aug 64
- Hill RB Jr  
Hill RB Jr, Rowlands DT Jr, Rifkind D: Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. New Eng J Med 271:1021-7, 12 Nov 64
- Hilleman MR  
Girardi AJ, Hilleman MR: Host-virus relationships in hamsters inoculated with SV40 virus during the neonatal period. Proc Soc Exp Biol Med 116:723-8, Jul 64
- Hilleman MR  
Peck HM, Woodhour AF, Metzgar DP, McKinney SE, Hilleman MR: New metabolizable immunologic adjuvant for human use. I. Development and animal immune response. Proc Soc Exp Biol Med 116:516-23, Jun 64
- Hillman HS  
Hillman HS: Chronic diarrhoea and the pancreas. Med J Aust 2:296-8, 22 Aug 64
- Hillman RS  
Hillman RS: Pooled human plasma as a volume expander. New Eng J Med 271:1027-32, 12 Nov 64
- Himler LE  
Himler LE: Early recognition of problem behavior in industry. Industr Med Surg 33:564-5, Aug 64
- Himwich HE  
Pscheidt GR, Steiner WG, Himwich HE: An electroencephalographic and chemical re-evaluation of the central action of reserpine in the rabbit. J Pharmacol Exp Ther 144:37-44, Apr 64
- Himwich WA  
Goldstein SL, Himwich WA, Knapp FM, Rovine BW: Effects of urea and other dehydrating agents upon dog brain. J Neurosurg 21:672-7, Aug 64
- Hinck VC  
Hinck VC, Gordy PD: Persistent primitive trigeminal artery. One type of persistent carotid-basilar anastomosis. Radiology 83:41-5, Jul 64
- Hines WD  
Hines WD, Freeman BA, Pearson GR: Fine structure of Brucella suis spheroplasts. J Bact 87:1492-8, Jun 64
- Hinko EN  
Friedman I, Lundstedt S, Mering O von, Hinko EN: Systematic underestimation in reported mental hospital readmission rates. Amer J Psychiat 121:148-52, Aug 64
- Hins SC  
Loewenthal LJ, Hins SC: The aetiology of miliaria. S Afr Med J 38:613-5, 15 Aug 64
- Hinshaw DB  
Jolley WB, Hinshaw DB: Studies on prolonged homograf survival: a new method of approach. Amer J Surg 108:239-44, Aug 64
- Hinshaw DB  
Smith LL, Muller W, Hinshaw DB: The management of experimental endotoxin shock. The circulatory effects of levaterenol, hydrocortisone, phenoxylbenzamine hydrochloride, and blood volume expansion. Arch Surg (Chicago) 89:630-6, Oct 64
- Hinshaw JR  
Cramer LM, Hinshaw JR, Spar IL: Caproic acid analogues to prolong survival of skin homografts. Surg Forum 15:479-80, 1964
- Hinshaw LB  
Brake CM, Emerson TE, Wittmers LE, Hinshaw LB: Alteration of vascular responses to endotoxin by adrenergic blockade. Amer J Physiol 207:149-51, Jul 64
- Hinterbuchner CN  
Hinterbuchner CN, Hinterbuchner LP: Myopathic syndrome in muscular sarcoidosis. Brain 87:355-66, Jun 64
- Hinterbuchner LP  
Hinterbuchner CN, Hinterbuchner LP: Myopathic syndrome in muscular sarcoidosis. Brain 87:355-66, Jun 64
- Hird HJ  
Munro HN, McLean JT, Hird HJ: Effect of protein intake on the ribonucleic acid of liver cell sap. J Nutr 83:186-92, Jul 64
- Hirsch C  
Hagberg B, Hirsch C, Steen M: Resection of the obturator nerve in the treatment of adductor spasticity in cerebral palsy. Acta Orthop Scand 34:258-70, 1964
- Hirsch EF  
Kaiser GC, Hirsch EF, Cooper T: Induction of A-V dissociation without apparent injury to conductive tissue. Surg Forum 15:244-5, 1964
- Hirsch LJ  
Miller AJ, Ellis AB, Hirsch LJ: Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog. Proc Soc Exp Biol Med 116:392-4, Jun 64
- Hirschhorn K  
Hirschhorn K, Schreibman RR, Bach FH, Siltzbach LE: In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. Lancet 2:842-3, 17 Oct 64
- Hirtz G  
Lagarde C, Hirtz G, Hugues A, Chauvergne J, Hoerni B: Traitement palliatif des cancers par Thio-TEPA. Etude de 115 observations. Intérêt dans les cancers mammaires. Presse Med 72:2285-90, 23 Sep 64 (Fr)
- Hirtz R  
Hirtz R: Meat production in South Africa. S Afr Med J 38:629-31, 22 Aug 64
- Hissen W  
Swank RL, Hissen W, Feilman JH: 5-Hydroxytryptamine (serotonin) in acute hypotensive shock. Amer J Physiol 207:215-22, Jul 64
- Hitch JM  
Hitch JM: Creeping eruption and thiabendazole. In vitro studies. Arch Derm (Chicago) 90:418-20, Oct 64
- Hjertén S  
Agarwal KN, Hjertén S: An electrophoretic study of human erythrocytes, incubated with corticosteroids and sulphydryl reaction substances. Acta Endocr (Copenhagen) 47:Suppl 93:53-8, 1964
- Hlavová A  
Ganz V, Hlavová A, Froněk A, Linhart J, Přerovský I: Measurement of blood flow in the femoral artery in man at rest and during exercise by local thermodilution. Circulation 30:86-9, Jul 64
- Ho HC  
Chun D, Kan PS, Ho HC, Wong CP: The Hong Kong Chinese female bony pelvis and its influence on labour. A radiographic and clinical study of 1,005 women. J Obstet Gynaec Brit Comm 71:556-64, Aug 64
- Hoag MS  
O'Reilly RA, Aggeler PM, Hoag MS, Leong LS, Kropatkin ML: Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred. New Eng J Med 271:809-15, 15 Oct 64
- Hobbs HE  
Hobbs HE: Focally-illuminated hand magnifier. Brit J Ophthalmol 47:638, Oct 63
- Hobbs HE  
Hobbs HE, Van Leuven RM: Rehabilitation after cataract extraction. Brit J Ophthalmol 48:361-3, Jul 64
- Hobson B  
Wide L, Hobson B: New method for diagnosis of hydatidiform mole. Lancet 2:699, 20 Sep 64
- Hobson EA  
Platt BS, Gray PG, Parr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Brit J Nutr 18:413-29, 1964
- Hobson JA  
Hobson JA: The effect of LSD on the sleep cycle of the cat. Electroenceph Clin Neurophysiol 17:52-6, Jul 64
- Hobson T  
Hobson T, Rosenman LD: Acute appendicitis-when is it right to be wrong? Amer J Surg 108:306-12, Aug 64
- Hoch-Ligeti C  
Hoch-Ligeti C, Lobl LT, Arvin JM: Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. Brit J Cancer 18:271-84, Jun 64
- Hockman CH  
Mauck HP Jr, Hockman CH, Hoff EC: ECG changes after cerebral stimulation. I. Anomalous atrioventricular excitation elicited by electrical stimulation of the mesencephalic reticular formation. Amer Heart J 68:98-101, Jul 64
- Hockman RP  
Hockman RP, Mark JB: Effect of bronchial arterial infusion of mechlorethamine on pulmonary structure in the experimental animal. Surg Forum 15:194-6, 1964
- Hoddes SH  
Hoddes SH: Orphenadrine citrate in the treatment of muscular pain. Practitioner 193:76-80, Jul 64
- Hodes HI  
Hodes HI, Coriell LL: Poliomyelitis antibodies in human colostrum and milk. J Pediatr 65:319-20, Aug 64
- Hodge JV  
Scott DJ, Dollery CT, Hill DW, Hodge JV, Fraser R: Fluorescein studies of the retinal circulation in diabetics. Brit J Ophthalmol 47:588-9, Oct 63
- Hodge JV  
Hill DW, Dollery CT, Hodge JV, Scott DJ: Current developments in ophthalmology. Fluorescein studies of the choroidal circulation. Proc Roy Soc Med 57:500-2, Jun 64
- Hoehn D  
Clinkingbeard JR, Gersten JW, Hoehn D: Energy cost of ambulation in the traumatic paraplegic. Amer J Phys Med 43:157-65, Aug 64
- Hoeck K  
(Kretschmer E), Hoeck K: Ernst Kretschmer; (1888-1964). Amer J Psychiat 121:206-8, Aug 64
- Hoekstra WG  
Kirk DL, Hoekstra WG: Hexadecane-induced hyperkeratinization of guinea pig skin. I. Changes in epidermal weight and water binding. J Invest Derm 43:93-8, Aug 64
- Hoerni B  
Lagarde C, Hirtz G, Hugues A, Chauvergne J, Hoerni B: Traitement palliatif des cancers par Thio-TEPA. Etude de 115 observations. Intérêt dans les cancers mammaires. Presse Med 72:2285-90, 23 Sep 64 (Fr)
- Hoerni M  
Berlyne GM, Varley H, Nilwarangkur S, Hoerni M: Endogenous-creatinine clearance and glomerular-filtration rate. Lancet 2:874-6, 24 Oct 64
- Hoff EC  
Mauck HP Jr, Hockman CH, Hoff EC: ECG changes after cerebral stimulation. I. Anomalous atrioventricular excitation elicited by electrical stimulation of the mesencephalic reticular formation. Amer Heart J 68:98-101, Jul 64
- Hoffman A  
Hoffman A, Burger C, Persky L: Influence of mannitol infusion upon extracorporeal renal storage. Surg Forum 15:500-1, 1964
- Hoffman I  
Karpman HL, Hoffman I, Holvey S: A new and accurate method for measuring capillary fragility. Vasc Dis 1:206-7, Jul 64
- Hoffmann HN 2d  
Metzger WR, Owen CA Jr, Foulk WT, Hoffmann HN 2d: Bilirubin glucuronyl transferase activity in liver disease. J Lab Clin Med 64:89-98, Jul 64
- Hogan MJ  
Nakaizumi Y, Hogan MJ, Feeney L: The ultrastructure of Bruch's membrane. 3. The macular area of the human eye. Arch Ophthalmol (Chicago) 72:395-400, Sep 64
- Hogan MJ  
Hogan MJ, Kimura SJ, O'Connor GR: Ocular toxoplasmosis. Arch Ophthalmol (Chicago) 72:592-600, Nov 64
- Hoigné R  
Hoigné R, Krebs A: Simultaneous allergic (anaphylactic) and embolic-toxic reactions by accidental intravascular injection of procaine-penicillin. Int Arch Allerg 24:Suppl:48-9, 1964
- Hoigné R  
Dappen U, Hoigné R: Tierexperimentelle Untersuchungen zur Frage der Arspenamin-Thrombopenie. Int Arch Allerg 24:Suppl:9-12, 1964 (Ger)
- Hoigné R  
Greuter W, Hoigné R, Riedwil H: Das Verhalten der eosinophilen Granulozyten im peripheren Blut unter der Behandlung mit Procain-Penicillin. Int Arch Allerg 24:Suppl:50-1, 1964 (Ger)
- Holcomb TH  
Munroe WD, Lawson WJ, Holcomb TH: Hemolytic anemia due to aminosalicic acid. Anemia with methemoglobinemia. Amer J Dis Child 108:426-9, Oct 64
- Holderness MC  
Burton GW, Holderness MC, John HT: Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Lancet 2:782-5, 10 Oct 64
- Holdsworth LD  
Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. J Appl Physiol 19:583-92, Jul 64
- Holdsworth LD  
Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Heat reactions of Caucasians and Bantu in South Africa. J Appl Physiol 19:598-606, Jul 64
- Holecck V  
Sonka J, Kmentova V, Holecck V: Antidiuretic effect of dehydroepiandrosterone. Lancet 2:649-50, 19 Sep 64
- Holland FN  
Holland FN: A comment on the segregated learning situation as an insulating device for the Negro child. Psychiatry 27:301-3, Aug 64
- Holland PD  
(O'Connor MH), Holland PD: Mathew Harris O'Connor, 11 July 1895-20 June 1963. J Path Bact 88:358-60, Jul 64
- Holland WC  
Govier WC, Holland WC: Effects of ouabain on tissue calcium and calcium exchange in pacemaker of turtle heart. Amer J Physiol 207:195-8, Jul 64
- Hollander W  
Hollander W, Yagi S, Kramsch DM: In vitro effects of vasopressor agents on the metabolism of the vascular wall. Circulation 30:Suppl 2:1-10, Aug 64
- Holleran WM  
Schmutzer KJ, Holleran WM, Regan JF: Tumors of the small bowel. Amer J Surg 108:270-6, Aug 64
- Hollinger MA  
Davis JR, Morris RN, Hollinger MA: Incorporation of L-lysine-U-C14 into proteins of cryptorchid testis slices. Amer J Physiol 207:50-4, Jul 64
- Hollingsworth DF  
Platt BS, Gray PG, Parr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. Brit J Nutr 18:413-29, 1964
- Hollowell OW  
Hollowell OW, Kerr FW: Mechanism of pupillary



# ABRIDGED INDEX MEDICUS

- changes secondary to increased intracranial pressure. *Surg Forum* 15:427-9, 1964
- Holm LW**  
**Assali NS, Holm LW, Parker HR:** Systemic and regional hemodynamic alterations in toxemia. *Circulation* 30:Suppl 2:53-62, Aug 64
- Holman CA**  
**Holman CA, Smith AJ, Whimster WF, Beale D, Lehmann H:** Hemoglobin J-Baltimore in a Kent family. *Brit Med J* 54:14:921-2, 10 Oct 64
- Holmes G**  
**Griffiths JM, Holmes G:** Cholecystitis following gastric surgery. *Lancet* 2:780-2, 10 Oct 64
- Holmes JH**  
**Sitprija V, Holmes JH:** Isoniazid intoxication. *Amer Rev Resp Dis* 90:248-54, Aug 64
- Holmes JH**  
**Holmes JH:** Organophosphorus insecticides in Colorado. *Arch Environ Health (Chicago)* 9:445-53, Oct 64
- Holmes JH**  
**Sitprija V, Holmes JH, Ellis PP:** Intraocular pressure changes during artificial kidney therapy. *Arch Ophthalmol (Chicago)* 72:626-31, Nov 64
- Holmes MC**  
**Burnet FM, Holmes MC:** Thymic changes in the mouse strain NZB in relation to the auto-immune state. *J Path Bact* 88:229-41, Jul 64
- Holmgren A**  
**Havel RJ, Carlson LA, Ekelund LG, Holmgren A:** Turnover rate and oxidation of different free fatty acids in man during exercise. *J Appl Physiol* 19:613-8, Jul 64
- Holscher PM**  
**Holscher PM, Natzschka J:** Methämoglobinämie bei jungen Säuglingen durch nitrithaltigen Spinat. *Deutsch Med Wschr* 89:1751-4, 11 Sep 64 (Ger)
- Holst HI**  
**Bousarth WF, Bhatti T, Holst HI:** Production of clinical forms of head injury in the dog. *Surg Forum* 15:421-3, 1964
- Holt PR**  
**Holt PR:** Intestinal absorption of bile salts in the rat. *Amer J Physiol* 207:1-7, Jul 64
- Holtgrewe HL**  
**Holtgrewe HL, Valk WL:** Late results of transurethral prostatectomy. *J Urol* 92:51-5, Jul 64
- Holthusen GG**  
**Holthusen GG, Wenzel FJ, Kipp MA:** Electronic enumeration of erythrocytes. *Amer J Clin Path* 42:118-20, Jul 64
- Holvey S**  
**Karpman HL, Hoffman I, Holvey S:** A new and accurate method for measuring capillary fragility. *Vasc Dis* 1:206-7, Jul 64
- Holzman GB**  
**Holzman GB, Wagner HN Jr, Ilo M, Rabinowitz D, Zierler KL:** Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. *Circulation* 30:27-34, Jul 64
- Hong DC**  
**Makous N, Hong DC, Taylor EJ Jr:** Hemodynamics of the Master two-step test in hypertension and healed myocardial infarction. *Circulation* 30:77-85, Jul 64
- Hongo T**  
**Ohye C, Kubota K, Hongo T, Nagao T, Narabayashi H:** Ventrolateral and subventrolateral thalamic stimulation. Motor effects. *Arch Neurol (Chicago)* 11:427-34, Oct 64
- Honick MD**  
**Ishmael WK, Owens JN Jr, Payne RW, Honick MD:** Diabetes mellitus in patients with gouty arthritis. *JAMA* 190:398-8, 26 Oct 64
- Honour AJ**  
**Richardson DW, Honour AJ, Fenton GW, Stott FH, Pickering GW:** Variation in arterial pressure throughout the day and night. *Clin Sci* 26:445-60, Jun 64
- Hood JW**  
**Hood JW:** The development and use of an electronic apparatus for inducing sleep and anaesthesia. *Med J Aust* 2:298-303, 22 Aug 64
- Hooper GD**  
**Heggelvit HA, Campbell JS, Hooper GD:** Innominate arterial aneurysms occurring after blunt trauma. *Amer J Clin Path* 42:69-74, Jul 64
- Hopeman AR**  
**Czarniecki SW, Hopeman AR, Child PL:** Tetralogy of Fallot with aortic origin of the left pulmonary artery: radiographic and angiographic considerations. Report of a case. *Dis Chest* 48:97-101, Jul 64
- Hopf MA**  
**Brinsfield D, Hopf MA, Mayer SE, Galletti PM:** Body fluids and electrolytes after prolonged cardiopulmonary bypass. *J Appl Physiol* 19:566-70, Jul 64
- Hopkins DT**  
**Carew LB Jr, Hopkins DT, Nesheim MC:** Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. *J Nutr* 83:300-6, Aug 64
- Hopkins LT Jr**  
**Reed WA, Manning RT, Hopkins LT Jr:** Effects of hypoxia and hyperthermia on hepatic tissue of the dog. *Amer J Physiol* 208:1304-8, Jun 64
- Hopkinson WI**  
**Hutchinson JH, Kerr MM, Williams KG, Hopkinson WI:** Hyperbaric oxygen in resuscitation of the newborn. *Lancet* 2:691-2, 20 Sep 64
- Hoppe ET**  
**Vernick JJ, Magell J, Hoppe ET:** Alkylating agents and iodophor compounds for the prevention of local recurrence of cancer. *Surg Forum* 15:338-8, 1964
- Horan JD**  
**Cole J, Van Arsdel PP Jr, Pasnick LJ, Horan JD:** Observations on the experimental reproduction of asthma with mold antigens. *J Allerg* 35:331-8, Jul-Aug 64
- Hori M**  
**Hori M, Austen WG, McDermott WV Jr:** Hepatic anoxia and stimulation of hepatic nerves on renal hemodynamics and function. *Surg Forum* 15:108-9, 1964
- Horie S**  
**Morrison M, Horie S:** Cytochrome c oxidase components. IV. Chemical distinction between cytochromes alpha- and alpha-3. *J Biol Chem* 239:1432-7, May 64
- Horie S**  
**Horie S, Morrison M:** Cytochrome c oxidase components. V. A cytochrome alpha preparation free of cytochrome alpha-3. *J Biol Chem* 239:1438-41, May 64
- Horn L**  
**Horn L, Malm OJ:** Vascular manifestations of extensive thermal skin injury in rat mesentery. *Amer J Physiol* 207:137-43, Jul 64
- Horn MJ**  
**Horn MJ, Warren HW:** Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. *J Nutr* 83:267-72, Jul 64
- Horn RG**  
**Horn RG, Spicer SS:** Sulfated mucopolysaccharide and basic protein in certain granules of circulating heterophils of rabbits during endotoxin-induced leukocytosis. *Amer J Path* 44:905-19, Jun 64
- Hornick R**  
**Blair E, Henning G, Hornick R, Cowley RA:** Hypothermia in bacteremic shock. *Arch Surg (Chicago)* 89:619-29, Oct 64
- Horsley V**  
**Wilkins RH, Horsley V, Cushing H:** Neurosurgical classics--XXI. *J Neurosurg* 21:713-23, Aug 64
- Horstensmeyer O**  
**Horstensmeyer O:** Tödlicher Zeilschenfall nach intravenöser Injektion von Kongorot. *Deutsch Med Wschr* 89:1845-8, 25 Sep 64 (Ger)
- Horton BD**  
**Mengel CE, Kann HE, Smith WW, Horton BD:** Effects of in vivo hyperoxia on erythrocytes. I. Hemolysis in mice exposed to hyperbaric oxygenation. *Proc Soc Exp Biol Med* 116:259-61, Jun 64
- Horton CE**  
**Crawford HH, Adamson JE, Horton CE:** Hereditary hemorrhagic telangiectasia. Report of a case with severe complication following radical treatment. *Plast Reconstr Surg* 34:136-41, Aug 64
- Horton DL**  
**Whiteley HJ, Horton DL:** A spontaneous transplantable ovarian tumour of the CBA mouse. *Brit J Cancer* 18:252-4, Jun 64
- Horton ES**  
**Mengel CE, Carter WA, Horton ES:** Geophagia with iron deficiency and hypokalemia. *Cachexia africana*. *Arch Intern Med (Chicago)* 114:470-4, Oct 64
- Horton RJ**  
**Horton RJ, McCaldin RO:** Observations on air pollution aspects of Irazu Volcano, Costa Rica. *Public Health Rep* 79:925-9, Oct 64
- Horwitt MK**  
**Witting LA, Horwitt MK:** Biopotency of l-alpha-tocopheryl acetate for the rat. *Proc Soc Exp Biol Med* 116:655-8, Jul 64
- Hoshino K**  
**Hoshino K, Bernet MA:** 3-methylcholanthrene concentration and clearance in some adipose tissues in mice. *Cancer Res* 24:648-51, May 64
- Hoshiwara I**  
**Hoshiwara I:** Bilateral malignant glaucoma. Case report of simultaneous malignant glaucoma occurring three years after glaucoma surgery. *Arch Ophthalmol (Chicago)* 72:601-3, Nov 64
- Hosokawa O**  
**Yoshikawa S, Kawabata M, Hatsuama Y, Hosokawa O, Fujita T:** Atypical vitamin-D resistant osteomalacia. Report of a case. *J Bone Joint Surg [Amer]* 46:998-1007, Jul 64
- Hou LT**  
**Azzopardi JG, Hou LT:** The genesis of adenoid lymphoma. *J Path Bact* 88:213-8, Jul 64
- Houchin DN**  
**Hardaway RM, Elovitz MJ, Brewster WR Jr, Houchin DN:** Clotting time of heparinized blood. Influence of acidosis. *Arch Surg (Chicago)* 89:701-5, Oct 64
- Houck JC**  
**Houck JC, Patel YM:** Collagenolytic activity of mammalian pancreas. *Proc Soc Exp Biol Med* 116:382-5, Jun 64
- Hougie C**  
**Hougie C:** Naturally occurring species specific inhibitor of human prothrombin in lupus erythematosus. *Proc Soc Exp Biol Med* 116:359-61, Jun 64
- Housewright RD**  
**Leonard CG, Mattheis DK, Mattheis MJ, Housewright RD:** Transformation to prototrophy and polyglutamic acid synthesis in *Bacillus licheniformis*. *J Bact* 88:220-5, Jul 64
- Houssay AB**  
**Houssay AB, Blumenkrantz N:** Changes in glycoproteins in serum, urine and aqueous humor after gonadectomy or sex hormone injections in rats. *Endocrinology* 74:825-32, Jun 64
- Houssay AB**  
**Parisis HE, Houssay AB, Zapata AC, Valerga AC, Funes JE:** I-131-uptake in cervical mucus during the menstrual cycle. *Fertil Steril* 15:433-9, Jul-Aug 64
- Houston W**  
**Houston W:** Bilharziasis of the testis. *Brit J Urol* 36:220-1, Jun 64
- Howard HI**  
**Howard HI:** A controlled-release iron tablet. *Practitioner* 193:63-5, Jul 64
- Howard J**  
**Chamberlain DA, Howard J:** Guanethidine and methyldopa: a haemodynamic study. *Brit Heart J* 26:528-36, Jul 64
- Howard JM**  
**Tilak SP, Howard JM:** Selective irradiation of lymph nodes as a means of conditioning for homotransplantation. *Surg Forum* 15:160-1, 1964
- Howard RC**  
**Howard RC:** Ischiofemoral "V" arthrodesis of the hip joint posterior approach. *Acta Orthop Scand* 34:251-7, 1964
- Howard TE**  
**Howard TE, Halvorson HN, Walden CC:** Toxicity of copper compounds to the small vector hosts of the agent of Schistosoma dermatitis, in waters of differing hardness. *Amer J Hyg* 80:33-44, Jul 64
- Howe CT**  
**Niederhuber JE, Howe CT, Westerheide RL, Elliot DW:** Influence of gastric freezing on antral function. *Surg Forum* 15:323-5, 1964
- Howe CT**  
**Westerheide RL, Howe CT, Elliott DW:** Antral and pancreatic stimulation of gastric hypersecretion. *Surg Forum* 15:369-71, 1964
- Howe CT**  
**Howe CT, Elliott DW, Zollinger RM:** Histamine metabolism in pancreatic-induced hypersecretion. *Surg Forum* 15:387-9, 1964
- Howe JS**  
**Martin MM, Barr AB, Howe JS:** Coexisting hyperparathyroidism and Paget's disease. *Arch Intern Med (Chicago)* 114:482-6, Oct 64
- Howell BA**  
**Kizer DE, Lovig CA, Howell BA, Cox B:** Changes in the adenylic acid deaminase activity of rat liver during carcinogenesis. *Cancer Res* 24:1050-5, Jul 64
- Howell JB**  
**Howell JB, Anderson DE, McClendon JL:** The basal cell nevus syndrome. *JAMA* 190:274-7, 26 Oct 64
- Howells JB**  
**Caro D, Craft IL, Howells JB, Shaw PC:** Diagnosis and treatment of injury of lateral ligament of the ankle joint. *Lancet* 2:720-3, 3 Oct 64
- Howqua J**  
**Hayward J, Howqua J:** Pulmonary embolism. A case successfully treated by embolectomy. *Lancet* 2:771-6, 10 Oct 64
- Hoyt RK**  
**Hoyt RK, Domanig E, Hahnloser P, Delin NA, Schenk WG Jr:** Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextran, or shed blood. *Surg Forum* 15:34-5, 1964
- Hoyt WF**  
**Hoyt WF:** Neuro-ophthalmology. *Arch Ophthalmol (Chicago)* 72:679-719, Nov 64
- Hradcová L**  
**Hradcová L, Sova J:** Angiotensin skin test and its relation to hypertension in man. *Helv Paediat Acta* 19:87-98, Jun 64
- Hrbek A**  
**Hrbek A, Mareš P:** Cortical evoked responses to visual stimulation in full-term and premature newborns. *Electroenceph Clin Neurophysiol* 18:575-81, Jun 64
- Hsiung GD**  
**Atyanatan T, Hsiung GD:** Ultrafiltration of simian viruses. *Proc Soc Exp Biol Med* 116:852-6, Jul 64
- Huang JC**  
**Gregory KF, Huang JC:** Tyrosinase inheritance in *Streptomyces* scabies. II. Induction of tyrosinase deficiency by acridine dyes. *J Bact* 87:1287-94, Jun 64
- Huang JC**  
**Gregory KF, Huang JC:** Tyrosinase inheritance in *Streptomyces* scabies. I. Genetic recombination. *J Bact* 87:1281-6, Jun 64
- Huang JC**  
**Gregory KF, Huang JC:** Tyrosinase inheritance in *Streptomyces* scabies. II. Induction of tyrosinase deficiency by acridine dyes. *J Bact* 87:1287-94, Jun 64
- Hubay CA**  
**Colberg JE, Cohen C, Hubay CA:** Effect of whole blood on the survival time of skin homografts in rabbits. *Surg Forum* 15:139-41, 1964
- Hubay CA**  
**Cleveland JC, Powell AE, Hubay CA:** Passive transfer of delayed hypersensitivity to purified proteins with a cell-free factor. *Surg Forum* 15:128-30, 1964
- Hubersak C**  
**Socransky SS, Loesch WJ, Hubersak C, Macdonald JB:** Dependency of *Treponema microdentium* on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. *J Bact* 88:200-9, Jul 64
- Hudgins WD**  
**Greenlaw RH, Hudgins WD:** Correlation of renal clearance techniques in dogs: para-aminohippuric acid compared with radio-iodinated hippuran. *J Nucl Med* 5:453-61, Jun 64
- Hudson JA**  
**Hudson JA, Luckey TD:** Bacteria induced morphologic changes. *Proc Soc Exp Biol Med* 116:628-31, Jul 64
- Hugenoltz PG**  
**Gambao R, Hugenoltz PG, Nadas AS:** Accuracy of the phonocardiogram in assessing severity of aortic and pulmonic stenosis. *Circulation* 30:35-46, Jul 64
- Hugenoltz PG**  
**Hugenoltz PG:** Transventricular approach. *New Eng J Med* 271:798-9, 8 Oct 64
- Huggins CE**  
**Huggins CE, Lane JM, Flickinger CJ:** Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. *Dis Chest* 46:42-5, Jul 64
- Hughes ER**  
**Hughes ER, Ely RS, Chodos DJ, Done AK, Kirschvink JF, Ainger LE, Kelley VC:** Corticosterone half-life in children. *Amer J Dis Child* 108:366-71, Oct 64
- Hughes ES**  
**Russell IS, Hughes ES:** Fibrosarcoma of the rectum. *Aust New Zeal J Surg* 34:27-31, Aug 64
- Hughes JR**  
**Hughes JR, Mazurowski JA:** Studies on the



# ABRIDGED INDEX MEDICUS

- supracallosal mesial cortex of unanesthetized, conscious mammals. II. Monkey. D. vertex sharp waves and epileptiform activity. *Electroenceph Clin Neurophysiol* 16:561-74, Jun 64
- Hughes RK**  
Katz RI, Hughes RK: Carcinoma of the esophagus in association with achalasia. Report of a case. *Dis Chest* 46:235-7, Aug 64
- Huigues A**  
Lagarde C, Hirts G, Huigues A, Chauvergne J, Hoerni B: Traitement palliatif des cancers par Thio-TEPA. Etude de 115 observations. Intérêt dans les cancers mammaires. *Presse Med* 72:2285-90, 23 Sep 64 (Fr)
- Huis in't Veld LG**  
Huis in't Veld LG, Louwerens B, Reilingh W: The origin of urinary dehydroepiandrosterone in boars. *Acta Endocr (Kobenhavn)* 46:185-96, Jun 64
- Huizing HC**  
Huizing HC: Fundamental aspects in modern treatment of the deaf child. *J Laryng* 78:669-74, Jul 64
- Hulka JF**  
Hulka JF, Schaaf JT: Obstetrics in adolescents: a controlled study of deliveries by mothers 15 years of age and under. *Obstet Gynec* 23:678-85, May 64
- Hulme SA**  
Hulme SA: Population explosion--the challenge before agriculture. *S Afr Med J* 38:623-5, 22 Aug 64
- Hult AM**  
Peterson WC Jr, Hult AM: Calcifying epithelioma of Malherbe. *Arch Derm (Chicago)* 90:404-10, Oct 64
- Humberto Mateos J**  
Lombardo L, Alonso P, Saénz Arroyo L, Brandt H, Humberto Mateos J: Cerebral amebiasis: report of 17 cases. *J Neurosurg* 21:704-9, Aug 64
- Hume DM**  
Mannick JA, Brooks JW, Bosher LH Jr, Hume DM: Ruptured aneurysms of the abdominal aorta; a reappraisal. *New Eng J Med* 271:915-20, 29 Oct 64
- Hume DM**  
Magee JH, Hume DM, Kauffman HM, Bower JD: Massive diuresis following renal homotransplantation. *Proc Soc Exp Biol Med* 116:480-3, Jun 64
- Hume DM**  
Lee HM, Kauffman HM, Cleveland RJ, Hume DM: Selective immunosuppression by local radiation of renal homografts. *Surg Forum* 15:158-60, 1964
- Hume DM**  
Kauffman HM, Cleveland RJ, Lee HM, Hume DM: Significance of lymphocyturia in renal homograft rejection. *Surg Forum* 15:168-70, 1964
- Hume R**  
Hume R, Goldberg A: Actual and predicted-normal red-cell and plasma volumes in primary and secondary polycythemia. *Clin Sci* 26:499-508, Jun 64
- Hume WG**  
Wuertz RL, Frazee WH Jr, Hume WG, Linch AL, Wetherhold JM: Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. *Arch Environ Health (Chicago)* 9:478-91, Oct 64
- Humerfelt S**  
Abrahamson AM, Hummerfelt S, Sigstad H: Effects of guanethidine on renal function. *Acta Med Scand* 176:59-63, Jul 64
- Hungate RE**  
Margherita SS, Hungate RE, Storz H: Variation in rumen butyrovibrio strains. *J Bact* 87:1304-8, Jun 64
- Hunt DD**  
Hunt DD: Problems in diagnosing osteoarthritic tuberculosis. *JAMA* 190:95-8, 12 Oct 64
- Hunt HF**  
Harvey JA, Heller A, Moore RY, Hunt HF, Roth LJ: Effect of central nervous system lesions on barbiturate sleeping time in the rat. *J Pharmacol Exp Ther* 144:24-36, Apr 64
- Hunter PJ**  
Khurana KM, Hunter PJ: Horner's syndrome produced by hypertrophic spurs from the cervical spine. *Brit J Ophthalmol* 48:227-9, Apr 64
- Hunter R**  
Hunter R, Earl CJ, Thronicroft S: An apparently irreversible syndrome of abnormal movements following phenothiazine medication. *Proc Roy Soc Med* 57:758-62, Aug 64
- Hurley N**  
Waddell WR, Hurley N: Reduction of serum lipids following portacaval transposition in diabetic dogs. *Metabolism* 13:562-71, Jun 64
- Hurwitt ES**  
Yahr WZ, Strully KJ, Hurwitt ES: Non-occlusive small arterial anastomosis with a neodymium laser. *Surg Forum* 15:224-6, 1964
- al-Hussaini M**  
Wax SH, al-Hussaini M, McDonald DF: Effect of angiotensin on the iodine 131 sodium O-iodohippurate renogram in hypertensive patients. *Surg Forum* 15:498-9, 1964
- Hutchinson EC**  
Acheson J, Hutchinson EC: Observations on the natural history of transient cerebral ischaemia. *Lancet* 2:871-4, 24 Oct 64
- Hutchinson JS**  
Prunty FT, Brooks RV, Dupre J, Hutchinson JS, London DR, Mills IH, Rhodes P: Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. *Proc Roy Soc Med* 57:529-32, Jun 64
- Hutchinson DC**  
Hutchinson DC, Flenley DC, Donald KW: Controlled oxygen therapy in respiratory failure. *Brit Med J* 5418:1159-66, 7 Nov 64
- Hutchinson HE**  
Hutchinson HE, Pinkerton PH, Waters P, Lehmann H, Beale D, Douglas AS: Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. *Brit Med J* 5417:1099-103, 31 Oct 64
- Hutchinson JH**  
Hutchinson JH, Kerr MM, Williams KG, Hopkinson
- WI: Hyperbaric oxygen in resuscitation of the newborn. *Lancet* 2:691-2, 20 Sep 64
- Hutt MS**  
(Pinniger JL), Hutt MS: John Lawrence Pinniger, 9 May 1914-8 June 1963. *J Path Bact* 88:361-4, Jul 64
- Hyde RW**  
Hyde RW, Lawson WH, Forster RE: Influence of carbon dioxide on pulmonary vasculature. *J Appl Physiol* 19:734-44, Jul 64
- Hyman GA**  
Hyman GA, Wells J: Bronchial carcinoma with osteoblastic metastases. Cases with carcinoid syndrome. *Arch Intern Med (Chicago)* 114:541-6, Oct 64
- Hyslop CM**  
Hyslop CM: Uterine action in East African parturients. *J Obstet Gynaec Brit Comm* 71:474-5, Jun 64
- I**
- Ibañez N**  
Parasense WL, Ibañez N, Miranda H: Australorhis tenagophilus in Peru, and its susceptibility to *Schistosoma mansoni*. *Amer J Trop Med* 15:534-40, Jul 64
- Icoz MV**  
Wolfson SK Jr, Icoz MV, Inouye WY, Parkins WM: Prolonged circulatory arrest with preferential cerebral hypothermia and resuscitation by external cardiac massage. *Surg Forum* 15:415-7, 1964
- Ide T**  
Kosaka K, Ide T, Kuzuya T, Miki E, Kuzuya N, Okinaka S: Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. *Endocrinology* 75:9-14, Jul 64
- Idriss FS**  
Idriss FS, Muster AJ, Paul MH: Vectorcardiographic and ventricular pressure studies in utero and after birth using a special surgical technique. *Surg Forum* 15:389-91, 1964
- Igarashi M**  
Reddy JB, Igarashi M: Prosthetic devices in the middle ear of cats. *J Laryng* 78:675-83, Jul 64
- Iinuma I**  
Uenoyama K, Uenoyama N, Iinuma I: Vector-electro-oculography and its clinical application. Two-dimensional recording of eye movements. *Brit J Ophthalmol* 48:318-29, Jun 64
- Iio M**  
Holzman GB, Wagner HN Jr, Iio M, Rabinowitz D, Zierler KL: Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. *Circulation* 30:27-34, Jul 64
- Ikedá S**  
Ikeda S, Medina H, Clowes GH Jr: Oxygen consumption during total perfusion with diluted blood at normal and hypothermic temperatures. *Surg Forum* 15:212-3, 1964
- Ikkala E**  
Ikkala E, Siurala M, Viranko M: Hypoparathyroidism and pernicious anaemia. *Acta Med Scand* 176:73-7, Jul 64
- Ikram H**  
Ikram H, Nixon PG, Fox JA: The haemodynamic implications of the bisferiens pulse. *Brit Heart J* 26:452-9, Jul 64
- Ikuta F**  
Ikuta F, Zimmerman HM: Intramuscular precancerous lesions from hydrocarbons. *Arch Path (Chicago)* 78:377-89, Oct 64
- Ilbery PL**  
Shearman RP, Lee CW, Ilbery PL: Clinical, hormonal and cytogenetic findings in a true hermaphrodite. *J Obstet Gynaec Brit Comm* 71:627-33, Aug 64
- Iler RE**  
Kapikian AZ, Johnson KM, Chanock RM, Bell JA, Dyke LM, Iler RE: A pilot study of acute respiratory illnesses on a college campus. *Amer Rev Resp Dis* 90:175-82, Aug 64
- Illingworth RS**  
Illingworth RS: The risk of mental subnormality and cerebral palsy. *Clin Pediat (Phila)* 3:439-42, Jul 64
- Imagawa R**  
Hamilton JB, Bunch LD, Mestler GE, Imagawa R: Effect of castration in man on blood sedimentation rate, hematocrit and hemoglobin. *J Clin Endocr* 24:506-11, Jun 64
- Imai S**  
Bunag RD, Douglas CR, Imai S, Berne RM: Influence of a pyrimidopyrimidine derivative on deamination of adenosine by blood. *Circ Res* 15:83-8, Jul 64
- Imam IZ**  
Mortada A, Imam IZ: Virus aetiology of Behçet's syndrome. *Brit J Ophthalmol* 48:250-9, May 64
- Imperial ES**  
Guzman SV, Chavez FR, Imperial ES: Myocardial blood flow after experimental pulmonary embolism in the intact dog. *Amer Heart J* 68:66-70, Jul 64
- Impey RL**  
Impey RL: A gynaecologist looks back. *S Afr Med J* 38:708-9, 29 Aug 64
- Imre G**  
Imre G: Studies on the mechanism of retinal neovascularization. Role of lactic acid. *Brit J Ophthalmol* 48:75-82, Feb 64
- Inagami T**  
Inagami T, Murachi T: The mechanism of the specificity of trypsin catalysis. 3. Activation of the catalytic site of trypsin by alkylammonium ions in the hydrolysis of acetylglutamate ethyl ester. *J Biol Chem* 239:1395-401, May 64
- Inagami T**  
Inagami T, Mitsuda H: The mechanism of the specificity of trypsin catalysis. II. Comparison of trypsin and alpha-chymotrypsin in the nonspecific catalyses of the hydrolysis of acetylglutamate ethyl ester. *J Biol Chem* 239:1388-94, May 64
- Inderbitzin T**  
Inderbitzin T: Studies on the permeability increasing factor (PIF) in skin extracts. *Int Arch Allerg* 24:332-41, 1964
- Indovina D**  
Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L: Effect of drug infusion on the systemic and splanchnic circulation. I. Bradykinin infusion in normal subjects. *Clin Sci* 28:487-91, Jun 64
- Indovina D**  
Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L: Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. *Clin Sci* 26:493-8, Jun 64
- Inman VT**  
Murray WR, Lucas DB, Inman VT: Treatment of non-union of fractures of the long bones by the two-plate method. *J Bone Joint Surg [Amer]* 46:1027-48, Jul 64
- Innerfield I**  
Innerfield I, Harvey R, Luongo F, Blincoe E: Urine peptidase activity following single and multiple oral doses of streptokinase. *Proc Soc Exp Biol Med* 116:573-5, Jul 64
- Innes J**  
Innes J: Anti-leukaemic drugs. *Practitioner* 193:101-6, Jul 64
- Innes R**  
Pratt-Johnson JA, Drance SM, Innes R: Comparison between pilocarpine and echothiophate for chronic simple glaucoma. A comparison between 4 per cent pilocarpine and 0.06 per cent echothiophate iodine in the diurnal management of chronic simple glaucoma. *Arch Ophthalmol (Chicago)* 72:485-8, Oct 64
- Inokuchi K**  
Inokuchi K, Ono K: Venous replacement with synthetic graft covered with canine pseudointima. *Lancet* 2:700, 20 Sep 64
- Inouye WY**  
Inouye WY, Anderson FS: Biological cutaneous-peritoneal conduits for intermittent peritoneal dialysis. *Surg Forum* 15:490-2, 1964
- Inouye WY**  
Wolfson SK Jr, Icoz MV, Inouye WY, Parkins WM: Prolonged circulatory arrest with preferential cerebral hypothermia and resuscitation by external cardiac massage. *Surg Forum* 15:415-7, 1964
- Intonti F**  
Intonti F, Nylander G, Tjernberg B: Lymph vessels of the greater omentum. A preliminary investigation. *Vasc Dis* 1:203-5, Jul 64
- Iovino AJ**  
Freeman JJ, Hilf R, Iovino AJ, Michel I: Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. *Endocrinology* 74:990-3, Jun 64
- Ipsen J**  
Dubin IN, Dunn MR, Ipsen J: Effect of cytologic program on pelvic examinations. *Arch Environ Health (Chicago)* 9:514-20, Oct 64
- Irani JB**  
MacRae DJ, Irani JB, Bowler RG, Longhurst PL: A comparison between vaginal cytology and urinary hormone excretion during pregnancy. *J Obstet Gynaec Brit Comm* 71:586-98, Aug 64
- Irie U**  
Irie U: Akute hämolytische Anämie durch Naphthalin-Inhalation bei zwei Frühgeborenen und einem Neugeborenen. *Deutsch Med Wschr* 89:1798-800, 18 Sep 64 (Ger)
- Irvine WJ**  
Gunn A, Michie W, Irvine WJ: The thymus in thyroid disease. *Lancet* 2:776-8, 10 Oct 64
- Irvine CC**  
Irvine CC: Enzymatic n-hydroxylation of the carcinogen 2-acetylaminofluorene and the metabolism of N-hydroxy-2-acetylaminofluorene-9-14C in vitro. *J Biol Chem* 239:1589-96, May 64
- Iselin F**  
Iselin F: Transplantations musculo-tendineuses pour paralysies du membre supérieur. *Presse Med* 72:2339-42, 26 Sep 64 (Fr)
- Iseri OA**  
Smuckler EA, Iseri OA, Benditt EP: Studies on carbon tetrachloride intoxication. II. Depressed amino acid incorporation into mitochondrial protein and cytochrome c. *Lab Invest* 13:531-8, Jun 64
- Ishikawa K**  
Ishikawa K, Martin CJ, Young AC: Pressure-volume studies on lung lobes in man. *J Appl Physiol* 19:823-6, Jul 64
- Ishikawa S**  
Meyer JS, Ishikawa S, Lee TK: Electromagnetic measurement of internal jugular venous flow in the monkey; effect of epilepsy and other procedures. *J Neurosurg* 21:524-39, Jul 64
- Ishikawa S**  
Symon L, Ishikawa S, Lavy S, Meyer JS: Quantitative measurement of cephalic blood flow in the monkey. *J Neurosurg* 20:199-218, Mar 63
- Ishmael WK**  
Ishmael WK, Owens JN Jr, Payne RW, Honick MD: Diabetes mellitus in patients with gouty arthritis. *JAMA* 190:396-8, 26 Oct 64
- Isla F**  
Isla F, Atik M, Mardis H, Marrero R, Manale B: Direct and indirect measurement of renal blood flow in the pathophysiology of acute renal failure. *Surg Forum* 15:492-4, 1964
- Isom JB**  
Isom JB, Gordy PD, Selner JC, Brown LJ, Willis M: Brain abscess due to *Haemophilus aphrophilus*. *New Eng J Med* 271:1059-61, 12 Nov 64
- Isowa N**  
Nishihara M, Ogawa J, Kanetsuna F, Toda E, Isowa N: Myelinic figures in lepra cells examined by phase-contrast and electron microscopy. *Int J Leprosy* 32:45-52, Jan-Mar 64
- Israel HL**  
Lieben J, Dattoli JA, Israel HL: Probable berylliosis



# ABRIDGED INDEX MEDICUS

- from beryllium alloys.  
Arch Environ Health (Chicago) 9:473-7, Oct 64
- Israelis MC**  
Elves MW, Roath S, Israelis MC: Failure of lymphocytes from hypogammaglobulinemic subjects to transform in culture.  
Brit Med J 5416:1051-2, 24 Oct 64
- Isselbacher KJ**  
Schapiro RH, Drummey GD, Shimizu Y, Isselbacher KJ: Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. J Clin Invest 43:1338-47, Jul 64
- Isselbacher KJ**  
Plotkin GR, Isselbacher KJ: Secondary disaccharidase deficiency in adult celiac disease (nontropical sprue) and other malabsorption states.  
New Eng J Med 271:1033-7, 12 Nov 64
- Itabashi HH**  
Malamud N, Itabashi HH, Castor MESSINGER HB: An etiologic and diagnostic study of cerebral palsy. A preliminary report. J Pediatr 65:270-93, Aug 64
- Ivanhoe F**  
Ivanhoe F, Meyers FH: Phosgene poisoning as an example of neuroparalytic acute pulmonary edema: the sympathetic vasomotor reflex involved.  
Dis Chest 46:211-8, Aug 64
- Izar G**  
Izar G: Sulla terapia del tetano.  
Minerva Med 55:2409-12, 18 Aug 64 (It)
- J**
- Jacks ML**  
Jacks ML, Ashcraft W, Reed WA, Allbritten FF: Alterations in plasma free fatty acids during extracorporeal circulation.  
Surg Forum 15:279-81, 1964
- Jackson AL**  
Weidanz WP, Jackson AL, Landy M: Some aspects of the antibody response of rabbits to immunization with enterobacterial somatic antigens.  
Proc Soc Exp Biol Med 118:832-7, Jul 64
- Jackson BT**  
Jackson BT, Mannick JA: Blood flow patterns in first and second set renal homografts.  
Surg Forum 15:171-2, 1964
- (Jackson CT)**  
(Morton WT), (Jackson CT), Alper MH: The ether controversy revisited (Morton WT), (Jackson CT).  
Anesthesiology 25:560-3, Jul-Aug 64
- Jackson FC**  
Jackson FC, Maxwell JW Jr: Intrahepatic diverticulum—common hepatic bile duct.  
Arch Surg (Chicago) 89:706-8, Oct 64
- Jackson FE**  
Jackson FE: Spontaneous spinal epidural hematoma coincident with whooping cough. Case report.  
J Neurosurg 20:715-7, Aug 63
- Jackson FE**  
Jackson FE: New type of tube for tracheotomy with inflatable cuff and inner cannula.  
J Neurosurg 20:809, Sep 63
- Jackson GJ**  
Jackson GJ, Stoll NR: Axenic culture studies of Entamoeba species. Amer J Trop Med 13:520-4, Jul 64
- Jacob A**  
Jacob A: Incentives and remuneration.  
Lancet 2:748-51, 3 Oct 64
- Jacob SW**  
Sabet-Payman K, Goldstone J, Jacob SW: Surgical studies in hematopoiesis—successful growth of homologous bone marrow in an ectopic locus using imuran. Surg Forum 15:146-8, 1964
- Jacobowitz D**  
Jacobowitz D, Marks BH: Effect of stress on glycogen and phosphorylase in the rat anterior pituitary.  
Endocrinology 75:86-8, Jul 64
- Jacobowitz WE**  
Jacobowitz WE: Chorionic gonadotropin levels in triplet gestation. Report of 2 cases.  
Obstet Gynec 23:788-92, May 64
- Jacobs A**  
Elwood PC, Jacobs A, Pitman RG, Entwistle CC: Epidemiology of the Paterson-Kelly syndrome.  
Lancet 2:716-20, 3 Oct 64
- Jacobs DR**  
Posner JB, Jacobs DR: Isolated aldosteronism. I. Clinical entity, with manifestations of persistent hyperkalemia, periodic paralysis, salt-losing tendency, and acidosis. Metabolism 13:513-21, Jun 64
- Jacobs J**  
Jacobs J, Livsey TJ, Stephens BJ: Methicillin spray and staphylococcal carriage in a neonatal unit.  
J Obstet Gynaec Brit Comm 71:543-55, Aug 64
- Jacobs JE**  
Larson SJ, Sances A Jr, Jacobs JE: Suppression of cerebral cortex by electrical anesthesia.  
Surg Forum 15:397-8, 1964
- Jacobs JM**  
Jacobs NJ, Heady RE, Jacobs JM, Chan K, Deibel RH: Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria.  
J Bact 87:1406-11, Jun 64
- Jacobs MB**  
Jacobs MB, Ladd AC, Goldwater LJ: Absorption and excretion of mercury in man. VI. Significance of mercury in urine.  
Arch Environ Health (Chicago) 9:454-63, Oct 64
- Jacobs ML**  
Jacobs ML, Marasso FJ: Lymphomas: relationship between dosage and recurrence.  
Radiology 83:106-7, Jul 64
- Jacobs NJ**  
Jacobs NJ, Heady RE, Jacobs JM, Chan K, Deibel RH: Effect of hemin and oxygen tension on growth and nitrate reduction by bacteria.  
J Bact 87:1406-11, Jun 64
- Jacobs PH**  
Jacobs PH: "Pharmacopoietic" effects of drugs.  
Lancet 2:650-1, 19 Sep 64
- Jacobs S**  
Jacobs S, Walsh JJ, Urner CJ, Rifkin H: Tuberculosis among seamen. Public Health Rep 79:933-8, Oct 64
- Jacobs SI**  
Willis AT, Jacobs SI: A case of meningitis due to Clostridium welchii. J Path Bact 88:312-4, Jul 64
- Jacobs SL**  
Jacobs SL, Henry RJ, Segalove M: Studies on the determination of bile pigments. V. Comparison of some methods for determination of total, free, and conjugated bilirubin in serum.  
Clin Chem 10:433-9, May 64
- Jacobs WM**  
Clark TL, Jacobs WM: Isoimmunization of the Rh-negative mother during the third stage of labor.  
Obstet Gynec 23:764-7, May 64
- Jacobs WM**  
Alexander JA, Rogers SF, Jacobs WM, Wills SH: Cesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases.  
Southern Med J 57:1282-7, Nov 64
- Jacobsen DS**  
Jacobsen DS, Schwartz SI: Effect of hyperbaric oxygenation on hepatic inflow occlusion.  
Surg Forum 15:198-200, 1964
- Jacobson B**  
Eisenberg R, Young D, Jacobson B, Boito A: Familial supravalvular aortic stenosis.  
Amer J Dis Child 108:341-7, Oct 64
- Jacobson E Jr**  
Jacobson E Jr, Najarian JS: Role of the red blood cell antigens in homograft rejection.  
Surg Forum 15:138-9, 1964
- Jacobson HS**  
Kelly AP Jr, Jacobson HS: Hand disability due to tenosynovitis. Industr Med Surg 33:570-4, Aug 64
- Jacobson I**  
Jacobson I, Lawson DD: The effect of hyperbaric oxygen on experimental cerebral infarction in the dog. With preliminary correlations of cerebral blood flow at 2 atmospheres of oxygen.  
J Neurosurg 20:849-59, Oct 63
- Jacobson YG**  
Mundth ED, DeFalco AT, Jacobson YG, Brettschneider L, McClennan JE: Importance of preventing renal vascular collapse during period of renal ischemia in kidney transplantation.  
Surg Forum 15:219-21, 1964
- Jacobson Z**  
Jacobson Z: Visual aids in a health education campaign against malnutrition.  
S Afr Med J 38:681-2, 22 Aug 64
- Jacqueline F**  
Jacqueline F, Podliachouk L, Eyquem A: Les anticorps du système sérique Gm au cours de la polyarthrite chronique évolutive.  
Presse Med 72:2205-8, 19 Sep 64 (Fr)
- Jacquot R**  
Jacquot R, Kretschmer N: Effect of fetal decapitation on enzymes of glycogen metabolism.  
J Biol Chem 239:1301-4, May 64
- Jaeger MJ**  
Jaeger MJ, Otis AB: Measurement of airway resistance with a volume displacement body plethysmograph. J Appl Physiol 19:813-20, Jul 64
- Jaffe B**  
Baldwin JN, Albo R, Jaffe B, Silen W: Metabolic effects of selective and total vagotomy.  
Surg Forum 15:303-5, 1964
- Jaffee IS**  
Jaffee IS: Nasopharyngeal carcinoma. Unusual case reports. Arch Otolaryng (Chicago) 80:450-3, Oct 64
- Jagannathan SN**  
Jagannathan SN, Madhavan TV, Gopalan C: Effect of adrenaline on aortic structure and serum cholesterol in Macaca radiata.  
J Atheroscler Res 4:335-45, Jul-Aug 64
- Jain BS**  
Jain BS, Srivastava KN: Orbital varicocele.  
Brit J Ophthal 48:232-3, Apr 64
- Jain IS**  
Jain IS: Lid retraction in the non-paretic eye in acquired ophthalmoplegia.  
Brit J Ophthal 47:757-9, Dec 63
- Jain IS**  
Jain IS, Grover AD: Pulseless disease.  
Brit J Ophthal 47:304-7, May 63
- Jain KK**  
Ojemann RG, Jain KK: Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. J Neurosurg 20:471-3, Jun 63
- Jakoby RK**  
Jakoby RK: Bony spicule piercing the pumping device for shunting cerebrospinal fluid.  
J Neurosurg 20:523, Jun 63
- James DG**  
Greenberg G, Anderson R, Sharpstone P, James DG: Enlargement of parotid gland due to sarcoidosis.  
Brit Med J 5413:861-2, 3 Oct 64
- James JA**  
James JA, Penry JB, Ross FG: Tomography in atresia of the external auditory meatus.  
Brit J Radiol 37:511-25, Jul 64
- James T**  
James T: Epidemic vertigo.  
S Afr Med J 38:709-10, 29 Aug 64
- James TN**  
James TN, Nadeau RA: The chronotropic action of tyramine studied by direct perfusion of the sinus node through its artery.  
J Pharmacol Exp Ther 144:83-8, Apr 64
- Jamieson JD**  
White DC, Leidy G, Jamieson JD, Shope RE: Porcine contagious pleuropneumonia. 3. Interrelationship of Hemophilus pleuropneumoniae to other species of Hemophilus: nutritional, metabolic, transformation, and electron microscopy studies.  
J Exp Med 120:1-12, 1 Jul 64
- Jamieson KG**  
Jamieson KG: Bilateral carotico-cavernous fistulae. Hypopituitarism from bilateral carotid ligation for surgical cure. Aust New Zeal J Surg 34:1-10, Aug 64
- Jamieson WM**  
Weir IB, Jamieson WM, Green DM: Polymyositis in Dundee, 1962. Brit Med J 5413:853-7, 3 Oct 64
- Jamphs RW**  
Jamphs RW: Surgical treatment of recurrent idiopathic pericarditis. Amer J Surg 108:191-7, Aug 64
- Janda V**  
Kozák PA, Janda V: Buerger's disease: an electromyographic study. Vasc Dis 1:77-82, Mar 64
- Janet GH**  
Pappas G, Janet GH, Bernatz PE, Schirger A: Femoral aneurysms. Review of surgical management.  
JAMA 190:489-93, 9 Nov 64
- Janota I**  
Janota I: Malignant lymphoma-cells in the cerebrospinal fluid. Lancet 2:677-8, 20 Sep 64
- Janssen P**  
Van Dyke D, Janssen P: Removal of cerebral cortical tissue with negligible scar formation using a beam of high-energy particles. J Neurosurg 20:289-95, Apr 63
- Jansson E**  
Jansson E: Preparation of complement-fixing antigen for routine use in diagnosis of Eaton pneumonia. J Clin Path 17:458-60, Jul 64
- Jantet GH**  
Jantet GH, Edwards JM, Gough MH, Kinmonth JB: Endolymphatic therapy with radioactive gold for malignant melanoma. Brit Med J 5414:904-6, 10 Oct 64
- Jarett L**  
Jarett L, Lacy PE, Kipnis DM: Characterization by immunofluorescence of an ACTH-like substance in nonpituitary tumors from patients with hyperadrenocorticism. J Clin Endocr 24:543-9, Jun 64
- Järvinen PA**  
Eisalo A, Järvinen PA, Viranko M: Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. Ann Chir Gynaec Fenn 53:389-93, 1964
- Jeavons PM**  
Jeavons PM: The electro-encephalogram in blind children. Brit J Ophthal 48:83-101, Feb 64
- Jeejeebhoy KN**  
Jeejeebhoy KN, Desai HG, Vergheze RV: Milk intolerance in tropical malabsorption syndrome. Role of lactose malabsorption. Lancet 2:666-8, 20 Sep 64
- Jelliffe DB**  
Jelliffe DB, Maddocks I: Notes on ecologic malnutrition in the New Guinea Highlands.  
Clin Pediatr (Phila) 3:432-8, Jul 64
- Jencks WP**  
Caplow M, Jencks WP: The chymotrypsin-catalyzed hydrolysis and synthesis of N-acetyl-L-tyrosine hydroxamic acid. J Biol Chem 239:1640-52, May 64
- Jenkins DW**  
Jenkins DW, Carruthers RR, Litofsky A, Collins WF: Electrophysiological study of regenerating peripheral nerve. Relationship of size of fibers and rate of growth. J Neurosurg 20:344-7, Apr 63
- Jenkins GC**  
Jenkins GC, Kettle MJ: Thrombocytopenia and megaloblastic anemia of pregnancy.  
J Obstet Gynaec Brit Comm 71:609-14, Aug 64
- Jenkins JS**  
Jenkins JS, Lowe RD, Titterton E: Effect of adrenocortical hormones on release of free fatty acids and uptake of glucose in human peripheral tissues. Clin Sci 28:421-7, Jun 64
- Jenkins LJ Jr**  
Van Reen R, Simmons WK, Jenkins LJ Jr: Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi.  
J Nutr 83:358-64, Aug 64
- Jennings FL**  
Hejtmancik MR, Wright JC, Quint R, Jennings FL: The cardiovascular manifestations of systemic lupus erythematosus. Amer Heart J 68:119-30, Jul 64
- Jennings RC**  
Jennings RC, Shaikh VA, Allen WM: Renal ischaemia due to thrombosis of renal artery resulting from metastases from primary carcinoma of the bronchus. Brit Med J 5416:1053-4, 24 Oct 64
- Jensen HP**  
Gerlach J, Jensen HP, Spuler H, Viehweger G: Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery.  
J Neurosurg 20:885-7, Oct 63
- Jensen MM**  
Yamada A, Jensen MM, Rasmussen AF Jr: Stress and susceptibility to viral infections. 3. Antibody response and viral retention during avoidance learning stress.  
Proc Soc Exp Biol Med 116:677-80, Jul 64
- Jensen OA**  
Jensen OA: Malignant melanoma of the choroid of a peculiar cavernous type. Clinical manifestation by hemorrhage of the vitreous body.  
Arch Ophthal (Chicago) 72:337-40, Sep 64
- Jeremy D**  
Preswick G, Jeremy D: Subclinical polyneuropathy in renal insufficiency. Lancet 2:731-2, 3 Oct 64
- Jerome JB**  
Jerome JB: Evolution of cosmetics.  
J Int Coll Surg 42:444-50, Oct 64
- Jewett JF**  
Jewett JF: Staphylococcal pneumonia.  
New Eng J Med 271:848-9, 15 Oct 64
- Jick H**  
Jick H, Sweet RH, Smith W, Macgaffey K, Snyder JG, Moore EW: The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. Clin Sci 26:397-403, Jun 64
- Jiji RM**  
Sparkling CL, Sacks MS, Jiji RM: Juvenile pernicious anemia. New Eng J Med 271:995-1003, 5 Nov 64
- Job CK**  
Job CK, Riedel EG: Squamous cell carcinoma arising



# ABRIDGED INDEX MEDICUS

- in plantar ulcers in leprosy.  
Int J Leprosy 32:37-44, Jan-Mar 64
- Joergenson EJ**  
Woolley MM, Joergenson EJ: Xiphopagus conjoined twins: preoperative evaluation and surgical management. Amer J Surg 108:277-84, Aug 64
- Joergenson EJ**  
Jones SA, Gregory G, Smith LL, Saito S, Joergenson EJ: Surgical management of the difficult and perforated duodenal stump: an experimental study. Amer J Surg 108:257-63, Aug 64
- Joffe N**  
Joffe N: Aneurysm of a persistent primitive sciatic artery. Clin Radiol 15:286-90, Jul 64
- John HT**  
Burton GW, Holderness MC, John HT: Circulatory and acid-base changes during operations for abdominal aortic aneurysm. Lancet 2:782-5, 10 Oct 64
- Johnson AJ**  
Ullmann AS, Fine G, Johnson AJ: Localized amyloidosis (amyloid tumor) of the urethra. J Urol 92:42-4, Jul 64
- Johnson CM**  
Rowe NH, Johnson CM: A search for the Burkitt lymphoma in tropical Central America. Brit J Cancer 18:228-32, Jun 64
- Johnson D**  
Kennedy JC, Johnson D: Fate of blood in the subarachnoid space. Surg Forum 15:424-5, 1964
- Johnson EE**  
Johnson EE, Stollerman GH, Grossman BJ: Rheumatic recurrences in patients not receiving continuous prophylaxis. JAMA 190:407-13, 2 Nov 64
- Johnson HC Jr**  
Gray SW, Johnson HC Jr, Skandalakis JE: Gastric teratoma in an adult: With a review of the literature. Southern Med J 57:1346-51, Nov 64
- Johnson HD**  
Johnson HD: A dissector-clamp. Lancet 2:737, 3 Oct 64
- Johnson J**  
Williams KR, Johnson J: Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. Arch Surg (Chicago) 89:663-5, Oct 64
- Johnson JW**  
Johnson JW, Permutt S, Sipple JH, Salem ES: Effect of intra-alveolar fluid on pulmonary surface tension properties. J Appl Physiol 19:769-77, Jul 64
- Johnson KM**  
Kapikian AZ, Johnson KM, Chanock RM, Bell JA, Dyke LM, Iler RE: A pilot study of acute respiratory illnesses on a college campus. Amer Rev Resp Dis 90:175-82, Aug 64
- Johnson KM**  
Webb PA, Johnson KM, Mufson MA: A description of two newly-recognized rhinoviruses of human origin. Proc Soc Exp Biol Med 118:845-52, Jul 64
- Johnson LC**  
Johnson LC, Davidoff RA: Autonomic changes during paroxysmal EEG activity. Electroenceph Clin Neurophysiol 17:25-35, Jul 64
- Johnson RW**  
Johnson RW, Scherago M: Effect of mononuclear cell depletion by cortisone on hypersensitivity of leukocytes from tuberculous guinea pigs to PPD. Amer Rev Resp Dis 90:231-42, Aug 64
- Johnston AW**  
Johnston AW, Prichard BN, Rosenthal ML: The use of bethanidine in the treatment of hypertension. Lancet 2:659-61, 20 Sep 64
- Johnston CI**  
Taylor RR, Johnston CI, Jose AD: Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. New Eng J Med 271:877-82, 22 Oct 64
- Johnston JD**  
Johnston JD, Alexander GH, Rosomoff HL: A simplified method for the pneumoencephalographic demonstration of the fourth ventricle and aqueduct of Sylvius. J Neurosurg 20:61-3, Jan 63
- Johnston JG**  
Bucca MA, Palmer DF, Johnston JG, Winn JF: Antibody response in certain domestic animals to influenza viruses. Proc Soc Exp Biol Med 116:493-5, Jun 64
- Johnstone JM**  
Kemp JH, Johnstone JM: Evaluation of serum trypsin inhibitor activity in the detection of malignant disease. Brit J Cancer 18:390-6, Jun 64
- Johnstone MA**  
Lapham LW, Johnstone MA: Cytologic and cytochemical studies of neuroglia. 3. The DNA content of giant fibrous astrocytes, with implications concerning the nature of these cells. J Neuropath Exp Neurol 23:419-30, Jul 64
- Johnstone WW**  
Johnstone WW, McLaren DS: Refraction anomalies in Tanganyikan children. Brit J Ophthalmol 47:95-108, Feb 63
- Jolley WB**  
Jolley WB, Hinshaw DB: Studies on prolonged homograft survival: a new method of approach. Amer J Surg 108:239-44, Aug 64
- Jolly HW Jr**  
Werner HJ, Jolly HW Jr, Lee JH: Electron microscopic observations of Epidermophyton floccosum. J Invest Derm 43:139-43, Aug 64
- Jolly PC**  
Foster JH, Jolly PC, Carlisle BB, Younger RK: Ammonia metabolism with variations in portal venous diversion. Surg Forum 15:105-8, 1964
- Joly J**  
Bricaire H, Joly J, Mathieu de Fossey B, Courjaret J, Baillet J: Exploration du couple hypophyzo-thyroïdien à l'aide d'un dérivé de l'imidazole. A propos de 25 observations personnelles. Presse Med 72:2505-10, 17 Oct 64 (Fr)
- Jonas G**  
Jonas G: Spontaneous pneumothorax at term. Report of a case. Obstet Gynec 23:799-801, May 64
- Jonasson H**  
Nugent FW, Warren KW, Jonasson H, Garcia De Paredes G: Early experience with trasylol in the treatment of acute pancreatitis. Southern Med J 57:1317-21, Nov 64
- Jones A**  
Jones A: A polystyrene mouse cage. J Clin Path 17:470, Jul 64
- Jones AT**  
Brown IK, Jones AT: Retinopathy and diabetic control. Brit J Ophthalmol 48:148-50, Mar 64
- Jones CS**  
Jones CS: Cytotoxicity of autoclaved carbohydrate solutions. Brit Med J 5413:878, 3 Oct 64
- Jones DJ**  
Worthington WC Jr, Jones DJ, Buse MG: Autoradiographic study of insulin distribution in the rat with special reference to elastic tissue. Endocrinology 74:914-24, Jun 64
- Jones DW**  
Reid AM, Jones DW: Poroccephalus armillatus larvae presenting in the eye. Brit J Ophthalmol 47:169-72, Mar 63
- Jones ES**  
Robinson JS, Ambavagar M, Jones ES: Artificial ventilation of the lungs in combined head and chest injuries. Lancet 2:912, 24 Oct 64
- Jones ES**  
Jones ES, Robinson JS, McConn R: Experience with the malcoil artificial kidney. Lancet 2:758-9, 3 Oct 64
- Jones EW**  
Jones EW, Aber CP: Diet and hypertension. Practitioner 193:50-6, Jul 64
- Jones HE**  
Jones HE: Hyaloid remnants in the eyes of premature babies. Brit J Ophthalmol 47:39-44, Jan 63
- Jones HW**  
Hill LD, Kellogg H Jr, Crampton JH, Jones HW, Baker JW: Changing management of carcinoma of the thyroid. Amer J Surg 108:176-82, Aug 64
- Jones IS**  
Jones IS: The orbit. Arch Ophthalmol (Chicago) 72:419-40, Sep 64
- Jones J**  
Golder RH, Martin-Guzman G, Jones J, Goldstein NO, Rotenberg S, Rutman RJ: Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard. Cancer Res 24:964-8, Jul 64
- Jones JB**  
Jones JB: Use of low-molecular-weight dextran in management of foetal distress in labour. Brit Med J 5414:909-10, 10 Oct 64
- Jones JE**  
Marshall RJ, Jones JE: Isolated pulmonary valvular regurgitation complicated by thyrotoxicosis. Brit Heart J 26:572-6, Jul 64
- Jones JJ**  
Lee J, Jones JJ, Barraclough MA: Inappropriate secretion of vasopressin. Lancet 2:792-3, 10 Oct 64
- Jones LG**  
Wheby MS, Jones LG, Crosby WH: Studies on iron absorption. Intestinal regulatory mechanisms. J Clin Invest 43:1433-42, Jul 64
- Jones RF**  
Jones RF: Keratoplasty in the keratitis of leprosy. Brit J Ophthalmol 47:248-9, Apr 63
- Jones RF**  
Jones RF: Growth of heterologous tumor in thymectomized rats. Surg Forum 15:364-5, 1964
- Jones RW**  
Bourne EW, Jones RW: Effects of 1,3,5, (10), 16 estratetraen-3-ol on mammalian L-fibroblasts in vitro. Proc Soc Exp Biol Med 116:762-6, Jul 64
- Jones SA**  
Jones SA, Gregory G, Smith LL, Saito S, Joergenson EJ: Surgical management of the difficult and perforated duodenal stump: an experimental study. Amer J Surg 108:257-63, Aug 64
- Jones WN**  
Aufrauc OE, Jones WN, Harris WH: Thoracic spine fracture with paralysis. JAMA 189:1018-21, 28 Sep 64
- Jones WN**  
Aufrauc OE, Jones WN, Harris WH: Recurrent traumatic dislocation of the hip in a child. JAMA 190:291-4, 28 Oct 64
- Jones WR**  
Jones WR, Henson PE Jr, Glenn JF: Response to mannitol under conditions simulating irrigant infusion during transurethral resection. Surg Forum 15:483-5, 1964
- Jonkers AH**  
Jonkers AH, Spence L, Coakwell CA 3d, Thornton JJ 3d: Laboratory studies with wild rodents and viruses native to Trinidad. I. Studies on the behavior of coxal virus. Amer J Trop Med 13:613-9, Jul 64
- Jonkers AH**  
Jonkers AH, Downs WG, Aitken TH, Spence L: Arthropod-borne encephalitis viruses in northeastern South America. I. A serological survey of northeastern Surinam. Trop Geogr Med 16:135-45, Jun 64
- Jordan JD**  
Jordan JD: Cardiopulmonary manifestations of rheumatoid disease in childhood. Southern Med J 57:1273-7, Nov 64
- Jorgensen EC**  
Jorgensen EC: Stereochemistry of thyroxine and analogues. Mayo Clin Proc 39:560-8, Aug 64
- Jos J**  
Auricchio S, Rubino A, Prader A, Rey J, Jos J, Frezal J: Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. Lancet 2:914, 24 Oct 64
- Jose AD**  
Taylor RR, Johnston CI, Jose AD: Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. New Eng J Med 271:877-82, 22 Oct 64
- Joseph M**  
Bhajakar AB, Joseph M, Bhat HS: Unattached nephroblastoma. Brit J Urol 36:187-90, Jun 64
- Joseph RR**  
Joseph RR, Zafonotis CJ: Clinical onset of lupus erythematosus in the older age group. J Amer Geriatr Soc 12:787-90, Aug 64
- Jowsky J**  
Jowsky J, Gershon-Cohen J: Effect of dietary calcium levels on production and reversal of experimental osteoporosis in cats. Proc Soc Exp Biol Med 116:437-41, Jun 64
- Joynt RJ**  
Green D, Joynt RJ, Van Allen MW: Neuromyopathy associated with a malignant carcinoid tumor. A case report. Arch Intern Med (Chicago) 114:494-6, Oct 64
- Joynt RJ**  
Skultety FM, Joynt RJ: Clinical implications of adipsia. J Neurosurg 20:793-800, Sep 63
- Jude JR**  
Wilder RJ, Jude JR, Kouwenhoven WB, McMahon MC: Of 153 attempted-cardiopulmonary resuscitations by trained ambulance personnel--no fatal injuries were produced. JAMA 190:531-4, 9 Nov 64
- Juel-Jensen BE**  
Juel-Jensen BE, MacCallum FO: Treatment of herpes simplex lesions of the face with idoxuridine: results of a double-blind controlled trial. Brit Med J 5415:987-8, 17 Oct 64
- Julliar JF**  
Bartfield H, Julliar JF: "Immunological organisation" and activity of human peripheral white-blood-cell cultures. Lancet 2:787-9, 10 Oct 64
- Junga IG**  
LePage GA, Junga IG, Bowman B: Blochemical and carcinostatic effects of 2'-deoxythioguanosine. Cancer Res 24:835-40, Jun 64
- Jurkiewicz MJ**  
Jurkiewicz MJ: Cleft lip and palate in dogs. Surg Forum 15:457-8, 1964
- Jurko MF**  
Andy OJ, Jurko MF, Sias FR Jr: Subthalamotomy in treatment of parkinsonian tremor. J Neurosurg 20:860-70, Oct 63

## K

- Kabat EA**  
Toril M, Kabat EA, Bezer AE: Separation of telcholic acid of Staphylococcus aureus into two immunologically distinct specific polysaccharides with alpha- and beta-N-acetylglucosaminyl linkages respectively. Antigenicity of the telcholic acids in man. J Exp Med 120:13-29, 1 Jul 64
- Kagawa CM**  
Kagawa CM, Pappo R: Some biological properties of synthetic 18-hydroxytestosterone. Endocrinology 74:999-1000, Jun 64
- Kagawa N**  
Kaiser E, Petersén I, Seldén U, Kagawa N: EEG data representation in broad-band frequency analysis. Electroenceph Clin Neurophysiol 17:76-80, Jul 64
- Kagen A**  
Kagen A, Tsuchiya G, Patterson V, Sugar O: Test for patency of ventriculovascular shunt for hydrocephalus with radioactively iodinated serum albumin. J Neurosurg 20:1025-8, Dec 63
- Kah R**  
Ullery JC, Kah R: The use of mepergan for relief of pain in gynecologic tumor patients. Curr Ther Res 8:365-8, May 64
- Kahán A**  
Kahán A, Kahán IL, Benkó A: Acquired acanthocytosis and myelophthisis in a case of Eales's disease. Brit J Ophthalmol 47:632-7, Oct 63
- Kahán A**  
Kahán A, Kahán IL, Benkó A: Erythrocytic anomalies in hereditary vitreo-retinal degeneration (degeneratio hyaloideoretinalis). Brit J Ophthalmol 47:620-31, Oct 63
- Kahan A**  
Delbarre F, Kahan A, Amor B, Krassinine G: Le ragoocyte synovial. Son intérêt pour le diagnostic des maladies rhumatismales. Presse Med 72:2129-32, 12 Sep 64 (Fr)
- Kahán IL**  
Kahán A, Kahán IL, Benkó A: Acquired acanthocytosis and myelophthisis in a case of Eales's disease. Brit J Ophthalmol 47:632-7, Oct 63
- Kahán IL**  
Kahán A, Kahán IL, Benkó A: Erythrocytic anomalies in hereditary vitreo-retinal degeneration (degeneratio hyaloideoretinalis). Brit J Ophthalmol 47:620-31, Oct 63
- Kahana D**  
Kahana D, Telem C, Steinitz K, Solomon M: Generalized glycogenosis. Report of a case with deficiency of alpha glucosidase. J Pediatr 65:243-51, Aug 64
- Kahn RH**  
Robboy SJ, Kahn RH: Electrophoretic separation of hydrolytic enzymes of the female rat reproductive tract. Endocrinology 75:97-103, Jul 64
- Kahn SG**  
Kahn SG: A study of the hypocholesterolemic activity of the ethyl esters of the polyunsaturated fatty acids of cod liver oil in the rat. J Nutr 63:262-6, Jul 64
- Kaiser E**  
Kaiser E, Petersén I, Seldén U, Kagawa N: EEG data representation in broad-band frequency analysis. Electroenceph Clin Neurophysiol 17:76-80, Jul 64
- Kaiser GC**  
Kaiser GC, Hirsch EF, Cooper T: Induction of A-V dissociation without apparent injury to conductive tissue. Surg Forum 15:244-5, 1964
- Kalant H**  
Kalant H, Murray RK, Mons W: Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Cancer Res 24:570-81, May 64
- Källén B**  
Berg O, Källén B: Effect of mononuclear blood cells from multiple sclerosis patients on neuroglia in



# ABRIDGED INDEX MEDICUS

- tissue culture  
J Neuropath Exp Neurol 23:550-9, Jul 64
- Kallio H**  
Gronroos JA, Castrén O, Kallio H: Prevalence of Listeria agglutinins in obstetric and gynaecologic patients. Ann Chir Gynaec Fenn 53:377-82, 1964
- Kallio RE**  
Finnerty WR, Kallio RE: Origin of palmitic acid carbon in palmitates formed from hexadecane-1-C-14 and tetradecane-1-C-14 by Micrococcus cerificans. J Bact 87:1261-5, Jun 64
- Kallman RF**  
Blais MS Jr, Kallman RF: The incorporation of C14 from 3,4-dihydroxyphenylalanine-2-C14 into the melanin of mouse melanomas. Cancer Res 24:863-8, Jun 64
- Kalter YE**  
Kalter YE, Lieberman Y, Pauzner YM: Pitfalls in diagnosis of mediastinal tumors. Evaluation of 100 cases. Dis Chest 46:174-80, Aug 64
- Kaluza JS**  
Kaluza JS, Burstone MS: Staining patterns of phosphatases of the central nervous system with azo-dye methods. J Neuropath Exp Neurol 23:477-85, Jul 64
- Kamboj VP**  
Kar AB, Kamboj VP, Datta JK: Prevention of delayed implantation in rats by means of an intrauterine foreign body. J Reprod Fertil 8:139-40, Aug 64
- Kamburoff TD**  
Robinson GC, Miller JR, Dill FJ, Kamburoff TD: Klinefelter's syndrome with the XXY sex chromosome complex. With particular reference to prepubertal diagnosis. J Pediat 65:226-32, Aug 64
- Kamei I**  
Feller I, Kamei I: Pseudomonas vaccine and hyperimmune plasma in the treatment of burned patients. Surg Forum 15:46-7, 1964
- Kamiya K**  
Kamiya K: Burger's disease. Vasc Dis 1:186-202, Jul 64
- Kamocki B**  
Macmorris HG, Shimada FT, Kamocki B, Kunigelis S, Parisius W: Separation of SV40 from poliovirus by extraction with 1-butanol. Proc Soc Exp Biol Med 116:310-3, Jun 64
- Kampmeier RH**  
Kampmeier RH: Rubella during pregnancy. Southern Med J 57:1380-1, Nov 64
- Kampschmidt RF**  
Kampschmidt RF, Upchurch HF: Effect of endotoxin upon total iron-binding capacity of the serum. Proc Soc Exp Biol Med 116:420-2, Jun 64
- Kan PS**  
Chan DP, Kan PS, Chan BK: Naegele pelvis. A study of 17 cases. J Obstet Gynaec Brit Comm 71:464-8, Jun 64
- Kan PS**  
Chun D, Kan PS, Ho HC, Wong CP: The Hong Kong Chinese female bony pelvis and its influence on labour. A radiographic and clinical study of 1,005 women. J Obstet Gynaec Brit Comm 71:556-64, Aug 64
- Kane FJ**  
Hallberg RJ, Lessler K, Kane FJ: Korsakoff-like psychosis associated with benzodiazepine overdosage. Amer J Psychiat 121:188-9, Aug 64
- Kanetsuna F**  
Nishihara M, Ogawa J, Kanetsuna F, Toda E, Isowa N: Myelinic figures in lepra cells examined by phase-contrast and electron microscopy. Int J Leprosy 32:45-52, Jan-Mar 64
- Kann HE**  
Mengel CE, Kann HE, Smith WW, Horton BD: Effects of in vivo hyperoxia on erythrocytes. I. Hemolysis in mice exposed to hyperbaric oxygenation. Proc Soc Exp Biol Med 116:259-61, Jun 64
- Kantowitz A**  
Nosé Y, Russell F, Grädel FO, Kantowitz A: Permanently implanted, plastic, auxiliary left ventricle. Surg Forum 15:269-71, 1964
- Kapikian AZ**  
Kapikian AZ, Johnson KM, Chanock RM, Bell JA, Dyke LM, Her RE: A pilot study of acute respiratory illnesses on a college campus. Amer Rev Resp Dis 90:175-82, Aug 64
- Kaplan I**  
Kaplan I, Markowicz H: One-stage primary reconstruction of the cervical oesophagus by means of a free tubular graft of penile skin. Brit J Plast Surg 17:314-9, Jul 64
- Kaplan SA**  
Collipp PJ, Kaplan SA, Boyle DC, Plachte F, Kogut MD: Constitutional isosexual precocious puberty. Effects of medroxyprogesterone acetate therapy. Amer J Dis Child 108:399-405, Oct 64
- Kaplan SA**  
Collipp PJ, Kaplan SA, Boyle DC, Shimizu CS: Protein bound human growth hormone. Metabolism 13:532-3, Jun 64
- Kappert A**  
Kappert A: Klinisch-experimentelle Untersuchungen über den arteriellen Kollateralkreislauf der Extremitäten. Angiologica (Basel) 1:227-38, 1964 (Ger)
- Kar AB**  
Kar AB, Kamboj VP, Datta JK: Prevention of delayed implantation in rats by means of an intrauterine foreign body. J Reprod Fertil 8:139-40, Aug 64
- Kar AB**  
Dasgupta PR, Kar AB, Das C: Metabolism of rat pituitary gonadotrophin. Proc Soc Exp Biol Med 116:253-5, Jun 64
- Kar NC**  
Kar NC, Pearson CM: Glutamic oxalacetic transaminase isoenzymes in human myopathies. Proc Soc Exp Biol Med 116:733-5, Jul 64
- Kar S**  
Kar S, Elliston EP, Taylor CE: Field method for concentrating Mycobacterium leprae in skin biopsy specimens. Int J Leprosy 32:18-23, Jan-Mar 64
- Karacan I**  
Barber TK, Karacan I, Calverley DS: "Hypnotizability" and suggestibility in chronic schizophrenics. Arch Gen Psychiat (Chicago) 11:439-51, Oct 64
- Karakawa WW**  
Karakawa WW, Borman EK, McFarland CR: Typing of group A streptococci by immunofluorescence. I. Preparation and properties of type I fluorescein-labeled antibody. J Bact 87:1377-82, Jun 64
- Karaklis A**  
Karaklis A, Valaes T, Pantelakis SN, Doxiadis SA: Thymectomy in an infant with autoimmune haemolytic anaemia. Lancet 2:778-80, 10 Oct 64
- Karjala RJ**  
Bresnick E, Karjala RJ: End-product inhibition of thymidine kinase activity in normal and leukemic human leukocytes. Cancer Res 24:841-6, Jun 64
- Kark AE**  
Burrows L, Gelernt IM, Ein S, Dreiling DA, Kark AE: Antigen-antibody reactions involved in transplantation phenomena. Surg Forum 15:135-7, 1964
- Karkins HN**  
Schaller RT Jr, Stevenson JK, Karkins HN: Development of carcinoma of the thyroid in mice. Surg Forum 15:354-5, 1964
- Karlson KE**  
Gledman ML, Girardet R, Karlson KE: Gastrointestinal congestion and histamine provoked ulcers. Surg Forum 15:314-5, 1964
- Karpa CM**  
Madden RE, Karpa CM: The role of host connective tissue in controlling local tumor invasion. Surg Forum 15:340-2, 1964
- Karpman HL**  
Karpman HL, Hoffman I, Holvey S: A new and accurate method for measuring capillary fragility. Vasc Dis 1:206-7, Jul 64
- Karwal PR**  
Agarwal PL, Malik SR, Mohan M, Karwal PR: Retinitis pigmentosa. A new therapeutic approach. Brit J Ophthal 47:144-8, Mar 63
- Kashyap SK**  
Mathur KS, Kumar V, Kashyap SK: The natural history of coronary atherosclerosis. Dis Chest 46:70-7, Jul 64
- Kasi AM**  
Kasi AM: Neonatal diabetes mellitus. Brit Med J 5417:1137, 31 Oct 64
- Kasimer P**  
Tourtelotte ME, Morowitz HJ, Kasimer P: Defined medium for Mycoplasma laidlawii. J Bact 88:11-5, Jul 64
- Kastin AJ**  
Gittes RF, Kastin AJ, Groff DB, Ketcham AS: Deficiency of effective histocompatibility antigens in pituitary and parathyroid tissue. Surg Forum 15:164-6, 1964
- Katchalski E**  
Riesel E, Katchalski E: Preparation and properties of water-insoluble derivatives of urease. J Biol Chem 239:1521-4, May 64
- Katharios N**  
Papavasiliou C, Garmatis C, Elias C, Kostouros D, Katharios N: Lung changes following cobalt teletherapy for carcinoma of the breast. Clin Radiol 15:242-5, Jul 64
- Katsh S**  
Katsh S: Adjuvants and aspermatogenesis in the guinea pig. Int Arch Allerg 24:319-31, 1964
- Katz J**  
Levitz M, Money WL, Katz J, Dancis J: Relative transfer and binding of estradiol-6,7-3H and estriol-16-14C by the guinea pig placenta. Endocrinology 74:949-54, Jun 64
- Katz L**  
Sterling TD, Perry H, Katz L: Automation of radiation treatment planning. IV. Derivation of a mathematical expression for the per cent depth dose surface of cobalt 60 beams and visualisation of multiple field dose distributions. Brit J Radiol 37:544-50, Jul 64
- Katz R**  
Katz R, Herman MA, Katz S: Tuberculosis of muscle. JAMA 190:472-3, 2 Nov 64
- Katz RI**  
Katz RI, Hughes RK: Carcinoma of the esophagus in association with achalasia. Report of a case. Dis Chest 46:235-7, Aug 64
- Katz S**  
Katz R, Herman MA, Katz S: Tuberculosis of muscle. JAMA 190:472-3, 2 Nov 64
- Katzman PA**  
Schott EW, Katzman PA: Separation and estimation of 17-alpha-estradiol. Endocrinology 74:870-7, Jun 64
- Katzung B**  
Katzung B: Integrated muscle chamber-transducer system. J Appl Physiol 19:800-2, Jul 64
- Kauffman HM**  
Magee JH, Hume DM, Kauffman HM, Bower JD: Massive diuresis following renal homotransplantation. Proc Soc Exp Biol Med 116:480-3, Jun 64
- Kauffman HM**  
Lee HM, Kauffman HM, Cleveland RJ, Hume DM: Selective immunosuppression by local radiation of renal homografts. Surg Forum 15:158-60, 1964
- Kauffman HM**  
Kauffman HM, Cleveland RJ, Lee HM, Hume DM: Significance of lymphocyturia in renal homograft rejection. Surg Forum 15:168-70, 1964
- Kaufman A**  
Kozinn PJ, Kitz ND, Moss AH, Kaufman A: Massive hemorrhage-scalps of newborn infants. Amer J Dis Child 108:413-7, Oct 64
- Kaufman HE**  
Kaufman HE, Capella JA, Maloney ED, Robbins JE, Cooper GM, Ueda MH: Corneal toxicity of cytosine arabinoside. Arch Ophthal (Chicago) 72:535-40, Oct 64
- Kaufman M**  
Kaufman M: The many dimensions of diet counseling for diabetes. Amer J Clin Nutr 15:45-9, Jul 64
- Kaung DT**  
Kaung DT, Whittington RM, Patno ME: Chemotherapy of chronic lymphocytic leukemia. Arch Intern Med (Chicago) 114:521-4, Oct 64
- Kaunitz H**  
Fisher H, Kaunitz H: Effects of medium- and long-chain saturated triglycerides on blood and liver cholesterol of chickens and rats. Proc Soc Exp Biol Med 116:278-80, Jun 64
- Kawabata M**  
Yoshikawa S, Kawabata M, Hatsuyama Y, Hosokawa O, Fujita T: Atypical vitamin-D resistant osteomalacia. Report of a case. J Bone Joint Surg [Amer] 46:998-1007, Jul 64
- Kawada A**  
Yasuda T, Kawada A, Yoshida K: Eccrine poroma. A Japanese case showing melanin granules and melanocytes in the tumor. Arch Derm (Chicago) 90:428-31, Oct 64
- Kawamura K**  
Kitagawa S, Kawamura K: Studies and clinical observations of infusion of anti-cancerous agents into lymph vessel system. J Int Coll Surg 42:358-9, Oct 64
- Kawasaki M**  
Nelson JR, Dammkoehler R, Kawasaki M, Togawa K: Experimental observations of the relationships between upper airway obstruction and pulmonary function. Ann Otol 73:382-403, Jun 64
- Kay B**  
Allan D, Kay B: An emergency resuscitation box. J Pediat 65:297-8, Aug 64
- Kay JM**  
Kay JM, Southwood WF: Paget's disease of the vulva associated with an unusual bladder tumour. Brit J Cancer 18:233-7, Jun 64
- Kaye M**  
Kaye M: Mineral analysis of the fourth lumbar vertebra in health and renal failure. J Clin Invest 43:1367-71, Jul 64
- Kaymakalan S**  
Kaymakalan S: Fatal poisoning with podophyllum resin. JAMA 190:558, 9 Nov 64
- Kearns DH**  
Kivel RM, Kearns DH, Liebowitz D: Significance of antibodies to dietary proteins in the serums of patients with nontropical sprue. New Eng J Med 271:769-72, 8 Oct 64
- Kearns TP**  
Svrien HJ, Kennedy C, Kearns TP: Results of surgical treatment of pituitary adenoma. The factor of the excessively enlarged sella. J Neurosurg 20:669-74, Aug 63
- Kearsley RB**  
Kearsley RB, Snider M, Eaton A: A practical, quantitative method for recognizing behavioral illness in boys 9 to 14 years of age. J Pediat 65:256-66, Aug 64
- Keating V**  
Brown KR, Keating V: Pulse monitor in ocular surgery. Brit J Ophthal 47:184-5, Mar 63
- Keating VJ**  
Bailey RA, Browne NL, Keating VJ: Automatic external cardiac massage: a portable pneumatic external cardiac compression machine. Brit Heart J 26:481-9, Jul 64
- Keck SW**  
Keck SW, Kelly PJ: Effect of venous stasis on long bone growth in the dog. Surg Forum 15:443-4, 1964
- Kedes LH**  
Kedes LH, Field JB: Hypothermia. A clue to hypoglycemia. New Eng J Med 271:785-7, 8 Oct 64
- Keegan HR**  
Keegan HR, Mullan S: Fractional cisternal pneumoencephalography in 100 patients with intracranial space-consuming lesions. J Neurosurg 20:318-20, Apr 63
- Keen H**  
Rennie ID, Keen H, Southon A: A rapid enzyme-strip method for estimating blood-sugar. Lancet 2:884-6, 24 Oct 64
- Kehayoglou K**  
Mouloupos S, Kehayoglou K, Stamatiopoulos S, Sideris D: Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. New Eng J Med 271:895-7, 22 Oct 64
- Keidan SE**  
Mainwaring D, Keidan SE: Peanut flour in haemophilia. Lancet 2:647, 19 Sep 64
- Keiderling W**  
Heimel H, Finke J, Keiderling W: Die Bestimmung der Lebenszeit menschlicher Erythrozyten mit radioaktivem Diisopropylfluorophosphat (DF32P) und ihre Anwendung in der Klinik. Deutsch Med Wschr 89:1463-9, 31 Jul 64 (Ger)
- Keirle AM**  
Keirle AM, Lewis CM, Helmsworth JA, Altemeier WA: Hypothermic reduction of ammonia release into the circulation by the kidney. Surg Forum 15:102-3, 1964
- Kekki M**  
Kekki M: Serum protein turnover in experimental hypo- and hyperthyroidism. Acta Endocr (Copenhagen) 46:Suppl 91:1-137, 1964
- Kelleher J**  
Kelleher J, Walters G, Robinson R, Smith P: Chemical tests for phaeochromocytoma. J Clin Path 17:399-404, Jul 64
- Keller AD**  
Gillenwater JY, Frohlich ED, Keller AD: Differential effects of heat on splenic and renal vascular beds. Amer J Physiol 207:133-6, Jul 64
- Keller R**  
Keller R: Die Antigen-Antikörperreaktion isolierter Gewebemastzellen und das Komplementsystem. Int Arch Allerg 24:Suppl:13-4, 1964 (Ger)
- Keller S**



# ABRIDGED INDEX MEDICUS

- Rubini JR, Keller S, McCall MS:** Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. *Cancer Res* 24:655-61, May 64
- Kellerman H**  
**Chesley LC, Uichanco L, Lenobel A, Kellerman H:** Placental permeability to sucrose: a source of error in measuring volumes of sucrose distribution in gravidas. *Obstet Gynec* 23:795-8, May 64
- Kelley JJ Jr**  
**Maxwell RA, Kelley JJ Jr, Eckhardt ET:** Effect of catecholamine depletion on an index of myocardial contractility in isolated rabbit hearts. *Proc Soc Exp Biol Med* 116:672-4, Jul 64
- Kelley VC**  
**Hughes ER, Ely RS, Chodos DJ, Done AK, Kirschvink JF, Ainger LE, Kelley VC:** Corticosterone half-life in children. *Amer J Dis Child* 108:366-71, Oct 64
- Kellogg H Jr**  
**Hill LD, Kellogg H Jr, Crampton JH, Jones HW, Baker JW:** Changing management of carcinoma of the thyroid. *Amer J Surg* 108:176-82, Aug 64
- Kelly AP Jr**  
**Kelly AP Jr, Jacobson HS:** Hand disability due to tenosynovitis. *Industr Med Surg* 33:570-4, Aug 64
- Kelly E**  
**Kelly E:** Roentgenogram of the month. *Dis Chest* 46:227-8, Aug 64
- Kelly PJ**  
**Keck SW, Kelly PJ:** Effect of venous stasis on long bone growth in the dog. *Surg Forum* 15:443-4, 1964
- Kelly TR**  
**Schlueter TM, Kelly TR:** Effect of low molecular weight dextran and fibrinolysis on hemorrhagic shock. *Surg Forum* 15:32-4, 1964
- Kelly WD**  
**McKneally MF, Kelly WD, Resnick J, Martinez C:** Induction of tolerance with disrupted antigen, immunan, and sublethal irradiation. *Surg Forum* 15:131-2, 1964
- Kelner A**  
**Kelner A:** Correlation between genetic transformability and non-photoreactivability in *Bacillus subtilis*. *J Bact* 87:1295-303, Jun 64
- Kelsey JR**  
**Kelsey JR, Kloss RA:** Quantitation of some abnormal hemoglobins. *Clin Chem* 10:424-8, May 64
- Kemenes F**  
**Bertók L, Kemenes F, Simon G:** Fatal leptospirosis icterohaemorrhagica induced by ethionine in albino rats. *J Path Bact* 88:329-31, Jul 64
- Kemp JH**  
**Kemp JH, Johnstone JM:** Evaluation of serum trypsin inhibitor activity in the detection of malignant disease. *Brit J Cancer* 18:390-6, Jun 64
- Kempe LG**  
**Hammon WM, Kempe LG, Hayes GJ:** Angiographic appearance of a papilloma of the choroid plexus of the lateral ventricle. *J Neurosurg* 20:711-4, Aug 63
- Kendall EC**  
**Kendall EC:** Reminiscences on the isolation of thyroxine. *Mayo Clin Proc* 39:548-52, Aug 64
- Kendall JW Jr**  
**Matsuda K, Duyek C, Kendall JW Jr, Greer MA:** Pathways by which traumatic stress and ether induce increased ACTH released in the rat. *Endocrinology* 74:981-5, Jun 64
- Kendall SM**  
**Gale GR, Kendall SM, McLain HH, DuBois S:** Effect of hydroxyurea on *Pseudomonas aeruginosa*. *Cancer Res* 24:1012-20, Jul 64
- Kendig JH**  
**Kiser JL, Kendig JH:** Intracranial suppuration. A review of 139 consecutive cases with electron-microscopic observations on three. *J Neurosurg* 20:494-511, Jun 63
- Kenmore PI**  
**Kenmore PI, Zohn D, Miale A Jr, Adams JP:** Regional intravenous anesthesia. *Surg Forum* 15:454-6, 1964
- Kennady JC**  
**Kennady JC, Johnson D:** Fate of blood in the subarachnoid space. *Surg Forum* 15:424-5, 1964
- Kennan AL**  
**Kennan AL:** Changes in plasma proteins after portacaval shunt in the rat. *Proc Soc Exp Biol Med* 116:543-4, Jun 64
- Kennedy C**  
**Svien HJ, Kennedy C, Kearns TP:** Results of surgical treatment of pituitary adenoma. The factor of the excessively enlarged sella. *J Neurosurg* 20:669-74, Aug 63
- (Kennedy JF)**  
**(Kennedy JF):** Official autopsy report on President Kennedy. *JAMA* 190:98-100, 26 Oct 64
- Kennedy JS**  
**Patrick RS, Kennedy JS:** S35-labelled amino acids in experimental liver disease. *J Path Bact* 88:107-14, Jul 64
- Kennelly JJ**  
**McFee AF, Kennelly JJ:** Evaluation of a testicular biopsy technique in the rabbit. *J Reprod Fertil* 8:141-4, Aug 64
- Kenneweg DJ**  
**Shrum RC, Williams GS, Allen MS Jr, Kenneweg DJ:** Simplified technique of ileocolostomy. *Surg Forum* 15:299-301, 1964
- Kenny AD**  
**Morey ER, Kenny AD:** Effects of catecholamines on urinary calcium and phosphorus in intact and parathyroidectomized rats. *Endocrinology* 75:78-85, Jul 64
- Kent DC**  
**Kent DC:** Physiologic aspects of idiopathic unilateral hyperlucent lung, with a review of the literature. *Amer Rev Resp Dis* 90:202-12, Aug 64
- Kent JF**  
**Kent JF, DeWeerd JB, Lawson WB, Kinch WH:** Course of the serologic reactions in rabbits inoculated with different numbers of *Treponema pallidum*. *Amer J Clin Path* 42:33-6, Jul 64
- Kent JR**  
**Kent JR, Young HH:** Plasma testosterone levels in patients with prostatic carcinoma. *Surg Forum* 15:485-6, 1964
- Kent SP**  
**Kent SP, Evans EE, Attleberger MH:** Comparative immunology. Lymph nodes in the amphibian, *Bufo marinus*. *Proc Soc Exp Biol Med* 116:456-9, Jun 64
- Ker H**  
**Ker H:** Retrograde appendectomy. *Lancet* 2:889, 24 Oct 64
- Kerkenezov N**  
**Kerkenezov N:** Localization of intra-ocular foreign body by stainless steel sutures. *Brit J Ophthalmol* 48:169-72, Mar 64
- Kermarec J**  
**Rivière J, Lasserre M, Kermarec J, Laubie B, Latapie JL, Moreau F:** "Vrais" et "faux" syndromes de Klinefelter. *Presse Med* 72:2511-3, 17 Oct 64 (Fr)
- Kerr FW**  
**Baker GS, Kerr FW:** Structural changes in the trigeminal system following compression procedures. *J Neurosurg* 20:181-4, Mar 63
- Kerr FW**  
**Hollowell OW, Kerr FW:** Mechanism of pupillary changes secondary to increased intracranial pressure. *Surg Forum* 15:427-9, 1964
- Kerr MG**  
**Kerr MG:** Clinical implications of inferior vena caval occlusion in pregnancy. *Proc Roy Soc Med* 57:705-6, Aug 64
- Kerr MM**  
**Hutchinson JH, Kerr MM, Williams KG, Hopkinson WI:** Hyperbaric oxygen in resuscitation of the newborn. *Lancet* 2:691-2, 20 Sep 64
- Kersley GD**  
**Kersley GD:** The value and dangers of antimalarial therapy in arthritis with special relation to ophthalmic complications. *Proc Roy Soc Med* 57:669-71, Aug 64
- Kersten H**  
**Böhme D, Paal G, Kersten W, Kersten H:** Instability of myelin antigens derived from human brain. *Lancet* 2:888-8, 24 Oct 64
- Kersten W**  
**Böhme D, Paal G, Kersten W, Kersten H:** Instability of myelin antigens derived from human brain. *Lancet* 2:888-8, 24 Oct 64
- Kerth JD**  
**Kerth JD, Shambaugh GE Jr:** Irrigation of open vestibule in stapes surgery. A clinical and experimental study. *Arch Otolaryng (Chicago)* 80:392-7, Oct 64
- Kerth WJ**  
**Popper RW, Selzer A, Osborn JJ, Kerth WJ, Robinson SJ, Gerbode F:** Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. *Amer Heart J* 68:32-7, Jul 64
- Kerth WJ**  
**Gerbode F, O'Brien MF, Kerth WJ, Robinson SJ:** Surgical aspects of heart disease in infants under the age of two years. *Amer J Surg* 108:224-32, Aug 64
- Kerwar SS**  
**Kerwar SS, Cheldelin VH, Parks LW:** Valine-isoleucine metabolism in *Acetobacter* suboxydants and the inhibition of growth by valine. *J Bact* 88:179-86, Jul 64
- Keshin JG**  
**Spinelli AN, Keshin JG, Davis JE:** A new medication for relief of urinary symptoms: a preliminary report. *J Amer Geriatr* 12:771-5, Aug 64
- Kessler E**  
**Kessler E, Allen RL Jr, Kirman D, Strauss H:** Effect of aldosterone and cortisol on sodium and water content of the rat kidney. *Amer J Physiol* 207:109-12, Jul 64
- Kessler RH**  
**Fujimoto M, Nash FD, Kessler RH:** Effects of cyanide, Co, and dinitrophenol on renal sodium reabsorption and oxygen consumption. *Amer J Physiol* 206:1327-32, Jun 64
- Kessler WV**  
**Christian JE, Combs LW, Kessler WV:** The body composition of obese subjects. Studies of the effect of weight loss on the fat and lean body mass. *Amer J Clin Nutr* 15:20-8, Jul 64
- Ketcham AS**  
**Minton JP, Ketcham AS, Dearman JR:** Tumoricidal factor in laser radiation. *Surg Forum* 15:335-6, 1964
- Ketcham AS**  
**Gittes RF, Kastin AJ, Groff DB, Ketcham AS:** Depletion of effective histocompatibility antigens in pituitary and parathyroid tissue. *Surg Forum* 15:164-6, 1964
- Ketels-Harken H**  
**Ketels-Harken H:** Histochemische Fermentuntersuchungen am Knochenmark der Ratte. *Blut* 10:49-55, Mar 64 (Ger)
- Kettle MJ**  
**Jenkins GC, Kettle MJ:** Thrombocytopenia and megaloblastic anaemia of pregnancy. *J Obstet Gynaec Brit Comm* 71:609-14, Aug 64
- Key SV**  
**Key SV, Glickman RM, Bernhard WF, Gross RE, Diamond LR:** Quantitative assay of the fibrinolytic system in open heart surgery. *Surg Forum* 15:282-3, 1964
- Kezdi P**  
**Kezdi P, Head LR, Buck BA:** Mitral ball-valve prosthesis. Dynamic and clinical evaluation. *Circulation* 30:55-66, Jul 64
- Khachadurian AK**  
**Khachadurian AK, Obeid AI:** Nephropathy in essential familial hyperlipemia. *Lancet* 2:911-2, 24 Oct 64
- Al-Khalidi U**  
**Shamma'a MH, Al-Khalidi U:** Uptake of cholesterol by segments of small intestine of rat. *Amer J Physiol* 207:33-6, Jul 64
- Khanna SD**  
**Khanna SD, Saigal RK:** Ectopic meningioma in an infant. *Arch Surg (Chicago)* 89:752-4, Oct 64
- Khatab AA**  
**Khatab AA, Baron DN:** Differential 17-oxosteroid excretion in women with cancer of the breast following hypophysectomy. *Brit J Cancer* 18:342-53, Jun 64
- Khetarpal SK**  
**Khetarpal SK:** Electroretinographic changes in undernourished children. *Brit J Ophthalmol* 48:154-7, Mar 64
- Khilmani MT**  
**Khilmani MT, Wolf BS:** Transverse diameter of cervical spinal cord on Pantopaque myelography. *J Neurosurg* 20:660-4, Aug 63
- Khodadad G**  
**Khodadad G, Loughheed WM:** Repair of small arteries with contact cement and teflon graft. *J Neurosurg* 21:552-60, Jul 64
- Khosla PK**  
**Agarwal LP, Malik SR, Mohan M, Khosla PK:** Mycotic corneal ulcers. *Brit J Ophthalmol* 47:109-15, Feb 63
- Khotim S**  
**Wotman S, Mandel ID, Khotim S, Thompson RH Jr, Kutscher AH, Zegarelli EV, Denning CR:** Salt taste thresholds and cystic fibrosis. *Amer J Dis Child* 108:372-4, Oct 64
- Khurana KM**  
**Khurana KM, Hunter PJ:** Horner's syndrome produced by hypertrophic spurs from the cervical spine. *Brit J Ophthalmol* 48:227-9, Apr 64
- Kidd M**  
**Kidd M:** Alzheimer's disease--an electron microscopical study. *Brain* 87:307-20, Jun 64
- Kiel FW**  
**Kiel FW:** Chloroquine suicide. *JAMA* 190:398-400, 26 Oct 64
- Kienitz M**  
**Kienitz M, Welling P:** Staphylokokken im Neugeborenenzimmer. *Deutsch Med Wschr* 89:1744-51, 11 Sep 64 (Ger)
- Kietzman JN**  
**Broshe EA, Kietzman JN, Kurnick NB:** Complement-fixation titers in experimental coccidioidomycosis in rabbits. *J Bact* 88:233-41, Jul 64
- Kikkawa Y**  
**Amirana MT, Rohman M, Oka M, Kikkawa Y, Gueft B, State D:** Functional and pathologic changes in the reimplanted lung. *Surg Forum* 15:177-9, 1964
- Killen DA**  
**Edwards RH, Killen DA:** Prevention of spinal cord ischemia incident to extensive mobilization of the thoracic aorta from the posterior parietes. *Surg Forum* 15:285-7, 1964
- Killen DA**  
**Foster JH, Killen DA, Sessions RT, Rhea GW, Winfrey EW 3d, Collins HA:** The relative toxicity of angiographic contrast media. *Vasc Dis* 1:8-20, Jan 64
- Kilpatrick GS**  
**Kilpatrick GS, Withey JL:** Anemia and heart disease. *Amer Heart J* 68:138-9, Jul 64
- Kilpatrick SJ**  
**McKay E, Kilpatrick SJ:** Maternal and infant plasma urea at delivery. *J Obstet Gynaec Brit Comm* 71:449-52, Jun 64
- Kim EH**  
**Kim EH:** Hiatus hernia and diverticulum of the colon. Their low incidence in Korea. *New Eng J Med* 271:764-8, 8 Oct 64
- Kimura SJ**  
**Hogan MJ, Kimura SJ, O'Connor GR:** Ocular toxoplasmosis. *Arch Ophthalmol (Chicago)* 72:592-600, Nov 64
- Kinch WH**  
**Kent JF, DeWeerd JB, Lawson WB, Kinch WH:** Course of the serologic reactions in rabbits inoculated with different numbers of *Treponema pallidum*. *Amer J Clin Path* 42:33-6, Jul 64
- Kincl FA**  
**Kincl FA, Dorfman RT:** Pituitary gonadotrophin inhibitory action of neutral steroids. *Acta Endocr (Copenhagen)* 46:300-6, Jun 64
- King C**  
**Beck LV, Roberts N, King C, Wilson JE:** Effects of bromobenzene on mouse tissue sulfhydryl and insulin-131I metabolism. *Proc Soc Exp Biol Med* 116:283-8, Jun 64
- King CM**  
**King CM, Gutmann HR:** The action of the carcinogen N-(2-fluorenyl)acetamide on rat liver catalase and arginase in vivo. *Cancer Res* 24:770-9, Jun 64
- King J**  
**Steiner DF, King J:** Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. *J Biol Chem* 239:1292-8, May 64
- King JH Jr**  
**King JH Jr, McTigue JW:** The reformation of the anterior chamber with polyvinylpyrrolidone. *Southern Med J* 57:1369-72, Nov 64
- King LR**  
**Logan DJ, King LR:** Effect of proteolytic enzymes from carica papaya on induced edema in dog ureters. *Surg Forum* 15:481-2, 1964
- King ME**  
**King ME, Shefner AM, Ehrlich R:** Effectiveness of aurin tricarboxylic acid (ATA) as an antidote for beryllium poisoning. *Industr Med Surg* 33:566-9, Aug 64
- King RB**  
**Bernstein PW, King RB:** Secondary projections from trigeminal nucleus caudalis in cat rendered overreactive to tactile facial stimulation. *J Neurosurg* 21:687-98, Aug 64
- King RB**  
**King RB, Stoops WL:** Cervical myelopathy with fasciculations in the lower extremities. *J Neurosurg* 20:948-52, Nov 63
- King RE**  
**Stewart DH Jr, King RE:** Effect of conditioning



# ABRIDGED INDEX MEDICUS

- stimuli upon evoked potentials in the trigeminal complex in cat. *Surg Forum* 15:402-4, 1964
- King TC**  
**King TC, Zimmerman JM:** Effects of minimal blood volume changes on renal blood flow. *Surg Forum* 15:494-6, 1964
- King TC**  
**Zimmerman JM, King TC, Ramos AG:** Wound infections: inoculum versus medium. *Surg Forum* 15:62-4, 1964
- Kingsley FA**  
**Kingsley FA:** Allergic contact dermatitis. *JAMA* 190:539, 9 Nov 64
- Kingsley FA**  
**Kingsley FA:** Who will benefit from griseofulvin? *JAMA* 190:149, 12 Oct 64
- Kingsley GR**  
**Getchell G, Kingsley GR, Schaffert RR:** Direct automated determination of glucose by a glucose oxidase-peroxidase system. *Clin Chem* 10:540-8, Jun 64
- Kingsley GR**  
**Schaffert RR, Kingsley GR, Getchell G:** Automated determination of serum glutamic oxalacetic and glutamic pyruvic transaminase. *Clin Chem* 10:519-32, Jun 64
- Kinmonth JB**  
**Jantet GH, Edwards JM, Gough MH, Kinmonth JB:** Endolymphatic therapy with radioactive gold for malignant melanoma. *Brit Med J* 5414:904-6, 10 Oct 64
- Kinney JM**  
**Lister J, Kinney JM, Moore FD:** Correlation between total exchangeable potassium and resting energy expenditure. *Surg Forum* 15:83-4, 1964
- Kinney TD**  
**Kinney TD:** Recruitment in pathology. *Lab Invest* 13:624-33, Jun 64
- Kinoshita JH**  
**Kinoshita JH:** Selected topics in ophthalmic biochemistry. *Arch Ophthalmol (Chicago)* 72:554-72, Oct 64
- Kinsey DL**  
**Kinsey DL:** Hyperbaric oxygen and 5-fluorouracil in the treatment of experimental melanoma. *Surg Forum* 15:205-6, 1964
- Kipnis DM**  
**Jarett L, Lacy PE, Kipnis DM:** Characterization by immunofluorescence of an ACTH-like substance in nonpituitary tumors from patients with hyperadrenocorticism. *J Clin Endocr* 24:543-9, Jun 64
- Kipp MA**  
**Holthausen GG, Wenzel FJ, Kipp MA:** Electronic enumeration of erythrocytes. *Amer J Clin Path* 42:118-20, Jul 64
- Kirschheimer WF**  
**Kirschheimer WF:** Resistance of antihistamine-treated guinea-pigs against infection with *Mycobacterium leprae* and *M. lepraemurium*. *Int J Leprosy* 32:1-8, Jan-Mar 64
- Kirschheimer WF**  
**Kirschheimer WF:** Attempts at growth of *Mycobacterium leprae* in footpads of mice and guinea-pigs. *Int J Leprosy* 32:9-17, Jan-Mar 64
- Kirk DL**  
**Kirk DL, Hoekstra WG:** Hexadecane-induced hyperkeratinization of guinea pig skin. I. Changes in epidermal weight and water binding. *J Invest Derm* 43:93-8, Aug 64
- Kirk S**  
**Wiederhielm CA, Woodbury JW, Kirk S, Rushmer RF:** Pulsatile pressures in the microcirculation of frog's mesentery. *Amer J Physiol* 207:173-6, Jul 64
- Kirkpatrick CH**  
**Merrill DA, Kirkpatrick CH, Wilson WE, Riley CM:** Change in serum haptoglobin type following human liver transplantation. *Proc Soc Exp Biol Med* 116:748-51, Jul 64
- Kirksey TD**  
**Rea VE, Kirksey TD, Derrick JR, Arts CP:** A comparison of the physiologic effects of angiotensin with other vasoconstrictors. *Surg Forum* 15:17-8, 1964
- Kirman BH**  
**Kirman BH:** The patient with Down's syndrome in the community. *Lancet* 2:705-9, 3 Oct 64
- Kirman D**  
**Kessler E, Allen RL Jr, Kirman D, Strauss H:** Effect of aldosterone and cortisol on sodium and water content of the rat kidney. *Amer J Physiol* 207:109-12, Jul 64
- Kirsch RE**  
**Kirsch RE:** Glaucoma following cataract extraction associated with use of alpha-chymotrypsin. *Arch Ophthalmol (Chicago)* 72:812-20, Nov 64
- Kirschner MA**  
**Kirschner MA, Lipsitt MB:** The effect of exogenous precursors on etiocholanolone androsterone ratios in man. *Acta Endocr (Copenhagen)* 48:207-18, Jun 64
- Kirschvink JF**  
**Hughes ER, Ely RS, Chodos DJ, Done AK, Kirschvink JF, Ainger LE, Kelley VC:** Corticosterone half-life in children. *Amer J Dis Child* 108:366-71, Oct 64
- Kirsch MM**  
**Kirsch MM, Neill SA, Coon WW, Zuidema GD:** The role of portal systemic shunting in experimental ammonia intoxication. *Surg Forum* 15:100-1, 1964
- Kirsner JB**  
**Sparberg M, Kirsner JB:** Gastric secretory activity with reference to HCl. Clinical interpretations. *Arch Intern Med (Chicago)* 114:508-20, Oct 64
- Kirsner JB**  
**Ford H, Kirsner JB:** "Auer colitis" in rabbits induced by intrarectal antigen. *Proc Soc Exp Biol Med* 116:745-8, Jul 64
- Kirsten WH**  
**Kirsten WH, Platz CE:** Early and late leukemias in rats after transplantation of leukemic cells from AKR mice. *Cancer Res* 24:1056-62, Jul 64
- Kiser JL**  
**Kiser JL, Kendig JH:** Intracranial suppuration. A review of 139 consecutive cases with
- electron-microscopic observations on three. *J Neurosurg* 20:494-511, Jun 63
- Kislak JW**  
**Kislak JW, Eickhoff TC, Finland M:** Hospital-acquired infections and antibiotic usage in the Boston City Hospital-January, 1964. *New Eng J Med* 271:834-5, 15 Oct 64
- Kissane JM**  
**Kissane JM, Heptinstall RH:** Experimental hydronephrosis: morphologic and enzymatic studies of renal tubules in ureteric obstruction and recovery in the rat. II. Pentose phosphate pathway. *Lab Invest* 13:547-51, Jun 64
- Kissane JM**  
**Kissane JM, Heptinstall RH:** Experimental hydronephrosis: morphologic and enzymatic studies of renal tubules in ureteric obstruction and recovery in the rat. I. Alkaline and acid phosphatases. *Lab Invest* 13:539-46, Jun 64
- Kissane RW**  
**Calleja HB, Kissane RW:** The QRS vectorcardiogram in congenital heart disease during the first year of life. A new diagnostic vectorcardiographic technique. *Dis Chest* 46:198-204, Aug 64
- Kissel P**  
**Kissel P, Hartemann P, Duc M, Duc ML:** Le réflexogramme achilléen dans les dysthyroïdies et dans les troubles du métabolisme électrolytique. *Presse Med* 72:2201-4, 19 Sep 64 (Fr)
- Kissler B**  
**Kissler B, Leistner GH, Barth E:** A new method for the roentgenologic opacification of the pancreas. *Radiology* 83:6-11, Jul 64
- Kitagawa S**  
**Kitagawa S, Kawamura K:** Studies and clinical observations of infusion of anti-cancerous agents into lymph vessel system. *J Int Coll Surg* 42:358-9, Oct 64
- Kitagawa S**  
**Stevens GH, Kitagawa S, Longmire WP Jr:** Autotransplantation of lymphatic vessels in the dog. *Surg Forum* 15:239-41, 1964
- Kitahara K**  
**Mizushima S, Kitahara K:** Quantitative studies on glycolytic enzymes in *Lactobacillus plantarum*. II. Intracellular concentrations of glycolytic intermediates in glucose-metabolizing washed cells. *J Bact* 87:1429-35, Jun 64
- Kitamura I**  
**Kitamura I, Van Hoosier G Jr, Samper L, Taylor G, Trentin JJ:** Characteristics of human adenovirus type 12 induced hamster tumor cells in tissue culture. *Proc Soc Exp Biol Med* 116:563-8, Jul 64
- Kitchin FD**  
**Bearn AG, Kitchin FD, Bowman BH:** Heterogeneity of the inherited group-specific component of human serum. *J Exp Med* 120:83-91, 1 Jul 64
- Kivel RM**  
**Kivel RM, Kearns DH, Liebowitz D:** Significance of antibodies to dietary proteins in the serums of patients with nontropical sprue. *New Eng J Med* 271:769-72, 8 Oct 64
- Kiser DE**  
**Kiser DE, Lovig CA, Howell BA, Cox B:** Changes in the adenylic acid deaminase activity of rat liver during carcinogenesis. *Cancer Res* 24:1050-5, Jul 64
- Klabunde EH**  
**Klabunde EH, Failes E:** Incidence of complications in cosmetic rhinoplasties. *Plast Reconstr Surg* 34:192-6, Aug 64
- Klahr S**  
**Klahr S, Bricker NS:** Na transport by isolated turtle bladder during anaerobiosis and exposure to KCN. *Amer J Physiol* 208:1333-9, Jun 64
- Klatzo I**  
**Streicher E, Ferris PJ, Prokop JD, Klatzo I:** [Brain volume and thiocyanate space in local cold injury. *Arch Neurol (Chicago)* 11:444-8, Oct 64
- Klein HP**  
**Eisenstadt JM, Klein HP:** Effects of aspartate on growth and on the synthesis of alpha-amylase in *Pseudomonas saccharophila*. *J Bact* 87:1355-63, Jun 64
- Klein J**  
**Klein J:** Perinatal mortality in twin pregnancy. *Obstet Gynec* 23:738-44, May 64
- Klein L**  
**Klein L, Davis JH:** Correlation of urinary hydroxyproline to severity of burn. *Surg Forum* 15:465-7, 1964
- Klein M**  
**Klein M, Millwood EG:** On the sterility of eye ointments. *Brit J Ophthalmol* 48:285-7, May 64
- Klein MR**  
**Sitnick JL, Warren WD, Klein MR:** The evaluation of sphincter of Oddi function. *Surg Forum* 15:373-5, 1964
- Kleinfeld M**  
**Kleinfeld M, Messite J, Shapiro J, Kooyman O, Swencicki R:** Lung function in rat workers. *Arch Environ Health (Chicago)* 9:559-66, Nov 64
- Klemetti L**  
**Klemetti L:** Is the vitamin B<sub>12</sub> treatment of pernicious anemia a predisposing factor for thromboses in aged patients? *Acta Med Scand* 176:121-2, Jul 64
- (Klemperer P)**  
**(Klemperer P), Pollack AD:** Dr. Paul Klemperer. *Arch Path (Chicago)* 78:306-12, Oct 64
- (Klemperer P)**  
**(Klemperer P), Angevine DM:** Introductory comment. *Arch Path (Chicago)* 78:305, Oct 64
- Kline DG**  
**Kline DG, Hayes GJ:** An experimental evaluation of the effect of a plastic adhesive, methyl 2-cyanoacrylate, on neural tissue. *J Neurosurg* 20:647-54, Aug 63
- Kling A**  
**Kling A:** Effects of rhinencephalic lesions on endocrine and somatic development in the rat. *Amer J Physiol* 206:1395-400, Jun 64
- Klingon GH**  
**Klingon GH:** Some thoughts on pain localization. *J Int Coll Surg* 42:396-403, Oct 64
- Kloetzel K**  
**Kloetzel K:** Natural history and prognosis of splenomegaly in schistosomiasis mansoni. *Amer J Trop Med* 13:541-4, Jul 64
- Klokke AH**  
**Klokke AH:** Mycetoma in North India due to *Nocardia brasiliensis*. First report of *N. brasiliensis* from Asia. *Trop Geogr Med* 16:170-1, Jun 64
- Klopotowski T**  
**Aleksandrow D, Klopotowski T, Smietarska Z:** Effect of physical activity upon cholesterol synthesis in the rat liver. *J Atheroscler Res* 4:351-5, Jul-Aug 64
- Kloss RA**  
**Kelsey JR, Kloss RA:** Quantitation of some abnormal hemoglobins. *Clin Chem* 10:424-8, May 64
- Kmentova V**  
**Sonka J, Kmentova V, Holecsek V:** Antidiuretic effect of dehydroepiandrosterone. *Lancet* 2:649-50, 19 Sep 64
- Knapp FM**  
**Goldstein SL, Himwich WA, Knapp FM, Rovine BW:** Effects of urea and other dehydrating agents upon dog brain. *J Neurosurg* 21:672-7, Aug 64
- Knight GF**  
**Benson PF, Butler NR, Goffe AP, Knight GJ, Laurence GD, Miller CL, Pollock TM:** Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. *Brit Med J* 5413:851-3, 3 Oct 64
- Knobloch F**  
**Knobloch F, Postolka M, Srnc J:** Muscular experience as interpersonal process; a contribution to the semantics of muscle. *Psychiatry* 27:259-65, Aug 64
- Knörr K**  
**Bettendorf G, Breckwoldt M, Knörr K, Stegner HE:** Gravidität nach Hypophysektomie und Behandlung mit hypophysärem Humanadotropin. *Deutsch Med Wschr* 89:1982-7, 9 Oct 64 (Ger)
- Knox DL**  
**Cogan DG, Kuwabara T, Young GF, Knox DL:** Herpes simplex retinopathy in an infant. *Arch Ophthalmol (Chicago)* 72:641-5, Nov 64
- Knox EW**  
**Knox EW:** The differential diagnosis of deep thrombophlebitis and herniated lumbar intervertebral disk. *Vasc Dis* 1:94-5, Mar 64
- Knox JM**  
**Knox JM, Ogura R:** Adherence of bath oil to keratin. *Brit Med J* 5418:1048-50, 24 Oct 64
- Knox JM**  
**South MA, Short DH, Knox JM:** Failure of erythromycin estolate therapy in in utero syphilis. *JAMA* 190:70-1, 5 Oct 64
- Kobayashi GS**  
**Kobayashi GS, Friedman L:** Falsely positive pyrogenic responses induced in rabbits by latex particles. *Proc Soc Exp Biol Med* 116:716-8, Jul 64
- Koch-Weser J**  
**Koch-Weser J:** Action of noradrenaline. *Brit Med J* 5418:1072-3, 24 Oct 64
- Kochakian CD**  
**Kochakian CD:** Effect of castration and testosterone on protein biosynthesis in guinea pig tissue preparations. *Acta Endocr (Copenhagen)* 48:Suppl 92:1-16, 1964
- Kochakian CD**  
**Kochakian CD, Elias F, Harrison DG:** Androgen regulation of mouse kidney ribonucleases. *Acta Endocr (Copenhagen)* 48:179-84, Jun 64
- Kocholaty W**  
**Woodside EE, Therrault DG, Kocholaty W:** Lipids of human platelets and their action on the blood coagulation process. *Blood* 24:76-91, Jul 64
- Kocsar L**  
**Wollemann M, Kocsar L:** Oxidative phosphorylation in aortic homogenates. *J Atheroscler Res* 4:367-9, Jul-Aug 64
- Kocziok-Przedpelska J**  
**Kocziok-Przedpelska J:** Muscle excitability in experimental crossed nerve anastomosis in the rat. *Amer J Phys Med* 43:146-58, Aug 64
- Koepeke J**  
**Rossi NP, Xu SC, Koepeke J, Spencer FC:** Pulmonary injury from prolonged oxygenation with venous blood. *Surg Forum* 15:277-9, 1964
- Kogut MD**  
**Collipp PJ, Kaplan SA, Boyle DC, Plachte F, Kogut MD:** Constitutional isosexual precocious puberty. Effects of medroxyprogesterone acetate therapy. *Amer J Dis Child* 108:399-405, Oct 64
- Kohatsu S**  
**Quintana R, Kohatsu S, Woodward ER, Dragstedt LR:** Mechanism of duodenal inhibition of gastric secretion. *Arch Surg (Chicago)* 89:585-91, Oct 64
- Kohn J**  
**Kohn J:** Quantitative estimation of formiminoglutamic acid in urine. *J Clin Path* 17:466-7, Jul 64
- Kojke TI**  
**Kojke TI, Naibandov AV, Dimick MK, Matsumura Y, Lepkovsky S:** Action of insulin upon blood glucose levels of fasted hypophysectomized, depancreatized and normal chickens. *Endocrinology* 74:944-8, Jun 64
- Koivusaalo P**  
**Troupp H, Heiskanen O, Tarkkanen A, Koivusaalo P, Aho J, Tarkkanen J:** The neurological deficit after extradural haematoma. *Lancet* 2:891-2, 24 Oct 64
- Kolb L**  
**Stone HH, Martin JD Jr, Kolb L:** The mechanism and treatment of verdoglobulinuria in *Pseudomonas* sepsis. *Surg Forum* 15:48-9, 1964
- Kolb LW**  
**Archer FL, Gago O, Delgado E, Kolb LW, Adams WE:** Histologic pattern in the auto- and homotransplanted dog lung. *Surg Forum* 15:154-6, 1964
- Koletsky S**  
**Koletsky S, Pritchard WH:** Failure to demonstrate



# ABRIDGED INDEX MEDICUS

- vasopressor material in salt hypertensive rats. *Amer J Physiol* 207:152-4, Jul 64
- Koletsky S**  
Yoho AV, Drach G, Koletsky S, Persky L: Experimental evaluation of tissue adhesives in urogenital surgery. *J Urol* 92:56-9, Jul 64
- Kolff WJ**  
Kolff WJ, Nakamoto S, Poutasse EF, Straffon RA, Figueroa JE: Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. *Circulation* 30:Suppl 2:23-35, Aug 64
- Kolff WJ**  
Dunea G, Hazard JB, Kolff WJ: Vascular changes in renal homographs. *JAMA* 190:199-202, 19 Sep 64
- Kolig G**  
Marx FW Jr, Kolig G: Patterns and mechanisms of injury following anoxia of the normothermic and hypothermic dog stomach. *Surg Forum* 15:328-30, 1964
- Kolthoff NJ**  
Kolthoff NJ, Macchi IA, Wyman LC: Microangiographic visualization of blood distribution in intact and regenerated rat adrenals before and during cold stress. *Angiology* 15:344-9, Aug 64
- Komarov SA**  
Barlow SP, Komarov SA, Shay H: Effect of total adrenalectomy on gastric secretion in chronic gastric fistula rats. *Amer J Physiol* 206:1309-14, Jun 64
- Kominek LA**  
Kominek LA, Halvorson HO: Mode of inhibition of sporulation of *Bacillus cereus* by ethyl malonate and ethyl succinate. *J Bact* 88:263, Jul 64
- Kondi A**  
Foy H, Kondi A, Mbaya V: Effect of riboflavin deficiency on bone marrow function and protein metabolism in baboons. Preliminary report. *Brit J Nutr* 18:307-18, 1964
- Kong Y**  
Kong Y, Heyman A, Entman ML, McIntosh HD: Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. *Circulation* 30:109-13, Jul 64
- Konigsberg W**  
Guidotti G, Konigsberg W: The characterization of modified human hemoglobin. I. Reaction with iodoacetamide and N-ethylmaleimide. *J Biol Chem* 239:1474-84, May 64
- Kono K**  
Hashimoto H, Kono K, Mitsuhashi S: Elimination of penicillin resistance of *Staphylococcus aureus* by treatment with acriflavine. *J Bact* 88:261-2, Jul 64
- Kontinen A**  
Kontinen A, Pyörälä T, Carpen E: Serum lipid pattern in normal pregnancy and pre-eclampsia. *J Obstet Gynaec Brit Comm* 71:453-8, Jun 64
- Kooi KA**  
Güvençer A, Bagchi BK, Kooi KA, Calhoun HD: Mental and seizure manifestations in relation to brain tumors. A statistical study. *Epilepsia (Amst)* 5:166-76, Jun 64
- Kooyman O**  
Kleinfeld M, Messite J, Shapiro J, Kooyman O, Swencicki R: Lung function in talc workers. *Arch Environ Health (Chicago)* 9:559-66, Nov 64
- Koprowski H**  
Love R, Fernandes MV, Koprowski H: Cytochemistry of inclusion bodies in tissue culture cells infected with rabies virus. *Proc Soc Exp Biol Med* 116:560-3, Jul 64
- Koransky W**  
Koransky W, Ullberg S: Autoradiographic investigations of 14-C-labelled thalidomide and glutethimide in pregnant mice. *Proc Soc Exp Biol Med* 116:512-6, Jun 64
- Koren Z**  
Koren Z, Shafir E: Placental transfer of free fatty acids in the pregnant rat. *Proc Soc Exp Biol Med* 116:411-4, Jun 64
- Koritz SB**  
Hall PF, Koritz SB: Influence of calcium ions and freezing upon the conversion of cholesterol-7-alpha-3H to corticosterone-3H by homogenate of rat adrenal. *Endocrinology* 75:135-7, Jul 64
- Korman M**  
Niemi M, Korman M: Cell renewal in the interstitial tissue of postnatal prepubertal rat testis. *Endocrinology* 74:996-8, Jun 64
- Kornbluth W**  
Kornbluth W, Aladjemoff L, Magora F, Ben Dor D: Intraocular pressure in children measured under general anesthesia. *Arch Ophthalmol (Chicago)* 72:489-90, Oct 64
- Kornfeld P**  
Kornfeld P: Serum proteins in myasthenia gravis. *JAMA* 190:463, 2 Nov 64
- Kosaka K**  
Kosaka K, Ide T, Kuzuya T, Miki E, Kuzuya N, Okinaka S: Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. *Endocrinology* 75:9-14, Jul 64
- Kossel A**  
Riegel K, Kossel A: Die akute hyperpyretische Toxikose des älteren Säuglings. Ein Beitrag zur Frage des plötzlichen Todes im Kindesalter. *Deutsch Med Wschr* 89:1821-8, 25 Sep 64 (Ger)
- Kostage ST**  
Cohen SG, Sapp TM, Rizzo AP, Kostage ST: Experimental eosinophilia. VII. Lymph node responses to altered gamma globulins. *J Allerg* 35:346-55, Jul-Aug 64
- Kosterlitz N**  
Brown JS, Kosterlitz N: Selection and treatment of psychiatric outpatients; determined by the their personal and social characteristics. *Arch Gen Psychiat (Chicago)* 11:425-38, Oct 64
- Kostouros D**  
Papavasiliou C, Garmatis C, Elias C, Kostouros D, Katharios N: Lung changes following cobalt teletherapy for carcinoma of the breast. *Clin Radiol* 15:242-5, Jul 64
- Kostyo JL**  
Kostyo JL: Separation of the effects of growth hormone on muscle amino acid transport and protein synthesis. *Endocrinology* 75:113-9, Jul 64
- Kotin P**  
Demetriou JA, Crowley LG, Kushinsky S, Donovan AJ, Kotin P, MacDonald I: Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. *Cancer Res* 24:926-34, Jun 64
- Kotin P**  
Kotin P: Opportunities in environmental and occupational pathology. *Lab Invest* 13:619-23, Jun 64
- Kottgoda SR**  
Kottgoda SR: Digitalis toxicity, calcium and pronethalol. *Brit Med J* 54:18:1202, 7 Nov 64
- Kountz SL**  
Cohn R, Kountz SL: Relationship of blood flow in the kidney to the homograft reaction. *Amer J Surg* 108:245-9, Aug 64
- Koutras DA**  
Alexander WD, Harrison MT, Harden RM, Koutras DA: The effect of total fasting on thyroid function in man. *Metabolism* 13:587-90, Jul 64
- Kouwenhoven WB**  
Wilder RJ, Jude JR, Kouwenhoven WB, McMahon MC: Of 153 attempted cardiopulmonary resuscitations by trained ambulance personnel—no fatal injuries were produced. *JAMA* 190:531-4, 9 Nov 64
- Koven BJ**  
Shonk CE, Koven BJ, Majima H, Boxer GE: Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. *Cancer Res* 24:722-31, May 64
- Kozak PA**  
Kozak PA, Janda V: Buerger's disease: an electromyographic study. *Vasc Dis* 1:77-82, Mar 64
- Kozinn PJ**  
Kozinn PJ, Ritz ND, Moss AH, Kaufman A: Massive hemorrhage—scalps of newborn infants. *Amer J Dis Child* 108:413-7, Oct 64
- Kozlowski K**  
Kozlowski K, Lajp B: Metallic foreign body in the maxillary sinus. *Lancet* 2:696, 20 Sep 64
- Krahe M**  
Limburg H, Krahe M: Die Züchtung von menschlichem Krebsgewebe in der Gewebekultur und seine Sensibilitätsprüfung gegen neuere Zytostatika. *Deutsch Med Wschr* 89:1938-46, 9 Oct 64 (Ger)
- Krakoff IH**  
Oetting HF, Purple JR, Coley VC, Krakoff IH, Burchenal JH: Potentiation of the anti-leukemic effects of 2-aminothiazole by isonicotinamide and derivatives. *Cancer Res* 24:689-92, May 64
- Krakower CA**  
Krakower CA, Greenspan SA: The nature of late reactions following intradermal injection of heterologous anti-tissue sera. *Proc Soc Exp Biol Med* 116:301-6, Jun 64
- Krall LP**  
Podolsky S, Pothier A Jr, Krall LP: Association of diabetes mellitus and Friedreich's ataxia. A study of two siblings. *Arch Intern Med (Chicago)* 114:533-7, Oct 64
- Kraml M**  
Dvornik D, Kraml M, Dubuc J: Effect of 22,25-dihydrocholesterol on synthesis of cholesterol by rat liver homogenates. *Proc Soc Exp Biol Med* 116:537-9, Jun 64
- Kramsch DM**  
Hollander W, Yagi S, Kramsch DM: In vitro effects of vasopressor agents on the metabolism of the vascular wall. *Circulation* 30:Suppl 2:1-10, Aug 64
- Krassinine G**  
Delbarre F, Kahan A, Amor B, Krassinine G: Le ragoocyte synovial. Son intérêt pour le diagnostic des maladies rhumatismales. *Presse Med* 72:2129-32, 12 Sep 64 (Fr)
- Kraybill WH**  
Rytel MW, Conner GH, Welch CC, Kraybill WH, Edwards EA, Rosenbaum MJ, Frank PF, Miller LF: Infectious agents associated with cylindrical bronchiectasis. *Dis Chest* 46:23-8, Jul 64
- Krebs A**  
Hoigné R, Krebs A: Simultaneous allergic (anaphylactic) and embolic-toxic reactions by accidental intravascular injection of procaine-penicillin. *Int Arch Allerg* 24:Suppl:48-9, 1964
- Kreel L**  
Kreel L, Blendis LM, Piercy JE: Pneumo-mediastinography by the trans-sternal method. *Clin Radiol* 15:219-23, Jul 64
- Kreier JP**  
Ristic M, Kreier JP: The fine structure of the erythrocytic forms of *Plasmodium gallinaceum* as revealed by electron microscopy. *Amer J Trop Med* 13:509-14, Jul 64
- Kreis H**  
Azerad E, Lubetzki J, Kreis H: Quelques réflexions sur le prédiabète. *Presse Med* 72:2195-9, 19 Sep 64 (Fr)
- Kress MB**  
Goco RV, Brantigan OC, Kress MB: An experimental study of bronchial glands. *Dis Chest* 46:115-29, Aug 64
- Kretschmer AL**  
Kretschmer AL, Comas FV: Correlation between kidney muramidase activity and plasma iron removal in rats with Walker-256 carcinosarcoma. *Proc Soc Exp Biol Med* 116:275-7, Jun 64
- Kretschmer N**  
Jacquot R, Kretschmer N: Effect of fetal decapitation on enzymes of glycogen metabolism. *J Biol Chem* 239:1301-4, May 64
- (Kretschmer E)**  
(Kretschmer E), Hoehne K: Ernst Kretschmer: (1888-1964). *Amer J Psychiat* 121:206-8, Aug 64
- Krieg NR**  
Neikirk RL, Krieg NR: Sulfonamide resistance of *Clostridium sporogenes*. *J Bact* 87:1526-7, Jun 64
- Kriek H**  
Bernhard WF, Somers LA, Kriek H, Abe T, Cunanan O, McDonald S: Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. *Surg Forum* 15:197-8, 1964
- Krill AR**  
Frenkel M, Krill AR: Effects of two mineralocorticoids on ocular tension. *Arch Ophthalmol (Chicago)* 72:315-8, Sep 64
- Krishnamurthi S**  
Krishnamurthi S, Shanta V, Udayachandrar: Stromal interference in radioresponse of squamous cell carcinoma of the oral cavity. *Clin Radiol* 15:246-50, Jul 64
- Krivit W**  
Engel RR, Hammond D, Eitzman DV, Pearson H, Krivit W: Transient congenital leukemia in 7 infants with mongolism. *J Pediat* 65:303-5, Aug 64
- Krizek TJ**  
Krizek TJ, Davis JH: Effect of diabetes on experimental infection. *Surg Forum* 15:60-1, 1964
- Krogsgaard AR**  
Krogsgaard AR, Friis T: Isotope nephrography with 131-I "hippuran". I. Technique and experience in various medical renal diseases. *Acta Med Scand* 176:17-29, Jul 64
- Krogsgaard AR**  
Friis T, Krogsgaard AR: Isotope nephrography with 131-I "hippuran". II. Experience in arterial hypertension with a particular view to renal artery stenosis. *Acta Med Scand* 176:31-43, Jul 64
- Kropatkin ML**  
O'Reilly RA, Aggeler PM, Hoag MS, Leong LS, Kropatkin ML: Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred. *New Eng J Med* 271:809-15, 15 Oct 64
- Krug M**  
Greene AE, Silver RK, Krug M, Coriell LL: Preservation of cell cultures by freezing in liquid nitrogen vapor. *Proc Soc Exp Biol Med* 116:462-7, Jun 64
- Krüger E**  
Krüger E: Absorption of human rib cartilage grafts transplanted to rabbits after preservation by different methods. *Brit J Plast Surg* 17:254-64, Jul 64
- Krwawicz T**  
Krwawicz T: Further experience with intracapsular cataract extraction by application of low temperature. *Brit J Ophthalmol* 47:36-8, Jan 63
- Kubik C**  
(Ayer JB), Denny-Brown D, Viets H, Adams R, Schwab R, Kubik C, Smith R: James Bourne Ayer, MD 1882-1963. *Arch Neurol (Chicago)* 11:449-51, Oct 64
- Kubota K**  
Ohye C, Kubota K, Hongo T, Nagao T, Narabayashi H: Ventrolateral and subventrolateral thalamic stimulation. Motor effects. *Arch Neurol (Chicago)* 11:427-34, Oct 64
- Kubzansky PE**  
Mendelson JH, Wexler D, Kubzansky PE, Harrison R, Leiderman G, Solomon P: Physicians' attitudes toward alcoholic patients. *Arch Gen Psychiat (Chicago)* 11:392-9, Oct 64
- Kuchler RJ**  
Benarde MA, Kuchler RJ: Quantitative effects of alkyl benzene sulfonate (ABS) on KB cells in tissue culture. *Proc Soc Exp Biol Med* 116:781-4, Jul 64
- Kuehn RP**  
Kuehn RP: Continuing education in nursing. *JAMA* 190:544-5, 9 Nov 64
- Kuenzle C**  
Kuenzle C, Sommerhalder M, Maier C, Rüttner JR: Die vier Serumbilirubin-Fraktionien bei der cholestatischen Hepatose. *Deutsch Med Wschr* 89:1475-7, 31 Jul 64 (Ger)
- Kuhlman RE**  
Kuhlman RE, Stamp WG: Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. *J Lab Clin Med* 64:14-20, Jul 64
- Kuhn LR**  
Mays EE, Hawkins JA, Kuhn LR: The clinical usefulness of fungal serologic testing. *Dis Chest* 46:205-10, Aug 64
- Kukral JC**  
Nora PF, Kukral JC, Preston FW: Infusion chemotherapy for abdominal malignancies. Methodology and preliminary report. *Arch Surg (Chicago)* 89:735-40, Oct 64
- Kukral JC**  
Kukral JC, Meadows DC: Synthesis of plasma protein fractions in burned patients. *Surg Forum* 15:43-5, 1964
- Kulowski J**  
Kulowski J: Fractures of the shaft of the femur resulting from automobile accidents. *J Int Coll Surg* 42:412-20, Oct 64
- Kumar S**  
Kumar S: Cholesterol crystals in the anterior chamber. *Brit J Ophthalmol* 47:295-9, May 63
- Kumar V**  
Mathur KS, Kumar V, Kashyap SK: The natural history of coronary atherosclerosis. *Dis Chest* 46:70-7, Jul 64
- Kundin WD**  
Kundin WD, Robbins ML, Smith PK: Antiviral activity of 3,5 diiodo-4-hydroxybenzenesulfonamide in chick embryo lung tissue culture. *Proc Soc Exp Biol Med* 116:425-7, Jun 64
- Kunelis CT**  
Redeker AG, Kunelis CT, Yamamoto S, Reynolds TB: Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. *J Clin Invest* 43:1464-71, Jul 64
- Kunigelis S**  
Macmorine HG, Shimada FT, Kamocki B, Kunigelis S, Parisius W: Separation of SV40 from poliovirus by



# ABRIDGED INDEX MEDICUS

- extraction with 1-butanol  
Proc Soc Exp Biol Med 116:310-3, Jun 64
- Kunii A**  
Yokoro K, Kunii A, Furth J, Durbin PW: Tumor induction with aslatine-211 in rats: characterization of pituitary tumors. Cancer Res 24:683-8, May 64
- Kunitake GM**  
Nakamura RM, Kunitake GM, Fujita K, Reilly EB: Plasma-fibrinogen levels after long-term warfarin therapy. Lancet 2:821-2, 10 Oct 64
- Kuppermann HS**  
Grob HS, Kuppermann HS, Gordon AS: Calcification of the ovarian follicle in rats.  
Proc Soc Exp Biol Med 116:766-8, Jul 64
- Kuriakose ET**  
Kuriakose ET: Oculospiridiosis: rhinosporidiosis of the eye. Brit J Ophthalmol 47:346-9, Jun 63
- Kurimoto S**  
Newell FW, Kurimoto S: Histochemistry of the retina in the alloxan-diabetic rat.  
Brit J Ophthalmol 47:596-600, Oct 63
- Kurland AA**  
Michaux MH, Hanlon TE, Ota KY, Kurland AA: Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index.  
Curr Ther Res 6:331-9, May 64
- Kurnick NB**  
Broske EA, Kietzman JN, Kurnick NB: Complement-fixation titers in experimental coccidiodomycosis in rabbits. J Bact 88:233-41, Jul 64
- Kurono T**  
Sumiyoshi K, Sumiyoshi M, Otani N, Kurono T: Changes of blood elements and the circulatory system in climbing. II. Jap Circ J 28:661-8, Sep 64
- Kurono T**  
Sumiyoshi K, Sumiyoshi M, Otani N, Kurono T: Changes of blood elements and the circulatory system in climbing. 3. Jap Circ J 28:669-75, Sep 64
- Kusaka T**  
Kusaka T, Sato R, Shoji K: Comparison of cytochromes in mycobacteria grown in vitro and in vivo. J Bact 87:1383-8, Jun 64
- Kushinsky S**  
Demetriou JA, Crowley LG, Kushinsky S, Donovan AJ, Kotin P, MacDonald I: Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. Cancer Res 24:926-34, Jun 64
- Kusunose E**  
Kusunose M, Kusunose E, Coon MJ: Enzymatic omega-oxidation of fatty acids. I. Products of octanoate, deconate, and laurate oxidation.  
J Biol Chem 239:1374-80, May 64
- Kusunose M**  
Kusunose M, Kusunose E, Coon MJ: Enzymatic omega-oxidation of fatty acids. I. Products of octanoate, deconate, and laurate oxidation.  
J Biol Chem 239:1374-80, May 64
- Kutscher AH**  
Wotman S, Mandel ID, Khotim S, Thompson RH JR, Kutscher AH, Zegarelli EV, Denning CR: Salt taste thresholds and cystic fibrosis.  
Amer J Dis Child 108:372-4, Oct 64
- Kutt H**  
Kutt H, Schick RW, Rennie LE, McDowell F: The quantities of sodium diazotize in cerebral vessels during arteriography. J Neurosurg 20:515-9, Jun 63
- Kuwabara T**  
Cofan DG, Kuwabara T, Young GF, Knox DL: Herpes simplex retinopathy in an infant.  
Arch Ophthalmol (Chicago) 72:641-5, Nov 64
- Kuwabara T**  
Robb RM, Kuwabara T: Corneal wound healing. II. An autoradiographic study of the cellular components.  
Arch Ophthalmol (Chicago) 72:401-8, Sep 64
- Kuwabara T**  
Kuwabara T: Leukemic miliary nodules in the retina.  
Arch Ophthalmol (Chicago) 72:494-7, Oct 64
- Kuwata T**  
Kuwata T: Studies on adaptation of Rous sarcoma virus to ducks. Cancer Res 24:947-56, Jul 64
- Kuyama T**  
Berberian GM, Kuyama T, Geever EF, Levenson SM: Wound healing defect in lathyrism.  
Surg Forum 15:50-2, 1964
- Kuzuya N**  
Kosaka K, Ide T, Kuzuya T, Miki E, Kuzuya N, Okinaka S: Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. Endocrinology 75:9-14, Jul 64
- Kuzuya T**  
Kosaka K, Ide T, Kuzuya T, Miki E, Kuzuya N, Okinaka S: Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. Endocrinology 75:9-14, Jul 64
- Kuzuya T**  
Kuzuya T, Samols E: The plasma insulin "inhibitor" and immunoprecipitation assay.  
Metabolism 13:493-5, Jun 64
- Kvarnes RG**  
Kvarnes RG: The Washington School of Psychiatry—past dreams and present realities.  
Psychiatry 27:295-300, Aug 64
- Kwak HH**  
Kwak HH, Mandell HB, Wilson DR: Beneficial effect of low molecular weight dextran on acute ischemic limb. Surg Forum 15:230-1, 1964
- Kyle LH**  
Frenzo JA, Carreon G, Clerkin E, Meloni CR, Kyle LH, Canary JJ: Influence of body composition on adrenal function in obesity. J Clin Endocr 24:461-5, Jun 64
- Kyllonen KE**  
Kyllonen KE, Tala PM, Perttala Y: The "subclavian steal" syndrome. Clinical and roentgenological observations in 8 cases.  
Ann Chir Gynaec Fenn 53:305-14, 1964
- Labhsetwar AP**  
Labhsetwar AP, Collins WE, Tyler WJ, Casida LE: Effect of progesterone and oxytocin on the pituitary-ovarian relationship in heifers.  
J Reprod Fertil 8:77-83, Aug 64
- Labhsetwar AP**  
Labhsetwar AP, Collins WE, Tyler WJ, Casida LE: Some pituitary-ovarian relationships in the periparturient cow. J Reprod Fertil 8:85-90, Aug 64
- (Lacapère J)**  
(Lacapère J), Coste F: Jean Lacapère (1898-1964)  
Presse Med 72:2246, 19 Sep 64 (Fr)
- Lachapelle AP**  
Lachapelle AP, Lacoste G: Premiers résultats de l'étude de la cinétique de la partie distale du canal thoracique chez l'être humain vivant. Action favorisante de la morphine.  
Presse Med 72:2133-4, 12 Sep 64 (Fr)
- Lacombe M**  
Natali J, Lacombe M, Bruchou P, Vinardi G: Les traumatismes artériels vus tardivement. Conduite à tenir en leur présence.  
Presse Med 72:2273-8, 23 Sep 64 (Fr)
- Lacoste G**  
Lachapelle AP, Lacoste G: Premiers résultats de l'étude de la cinétique de la partie distale du canal thoracique chez l'être humain vivant. Action favorisante de la morphine.  
Presse Med 72:2133-4, 12 Sep 64 (Fr)
- Lacy PE**  
Jarett L, Lacy PE, Kipnis DM: Characterization by immunofluorescence of an ACTH-like substance in nonpituitary tumors from patients with hyperadrenocorticism. J Clin Endocr 24:543-9, Jun 64
- Ladd AC**  
Jacobs MB, Ladd AC, Goldwater LJ: Absorption and excretion of mercury in man. VI. Significance of mercury in urine.  
Arch Environ Health (Chicago) 9:454-63, Oct 64
- Lader MH**  
Lader MH: The effect of cyclobarbitone on the habituation of the psycho-galvanic reflex.  
Brain 87:321-40, Jun 64
- Lafay F**  
Lafay F: Appareil pour la mesure automatique par sonde à scintillation d'échantillons radio-actifs liquides ou pulvérulents. Presse Med 72:2390, 3 Oct 64 (Fr)
- Lafferty FW**  
Heaney RP, Bauer GC, Bronner F, Dymling JF, Lafferty FW, Nordin BE, Rich C: A normal reference standard for radiocalcium turnover and excretion in humans. J Lab Clin Med 64:21-8, Jul 64
- Lagarde C**  
Lagarde C, Hirtz G, Hugues A, Chauvergne J, Hoerni B: Traitement palliatif des cancers par Thio-TEPA. Etude de 115 observations. Intérêt dans les cancers mammaires. Presse Med 72:2285-90, 23 Sep 64 (Fr)
- Lagergren J**  
André L, Björnsing L, Lagergren J: Congenital aplasia of the abdominal muscles with urogenital malformations.  
Acta Radiol (Diagn) (Stockholm) 2:298-304, Jul 64
- Laget P**  
Mamo H, Laget P: Le tonus musculaire. Aspects physiologiques et physiopathologiques. I. Le physiologiste devant le tonus musculaire.  
Presse Med 72:2145-50 contd, 12 Sep 64 (Fr)
- Laget P**  
Mamo H, Laget P: Le tonus musculaire. Aspects physiologiques et physiopathologiques. I. Le physiologiste devant le tonus musculaire.  
Presse Med 72:2107-12 contd, 29 Aug 64 (Fr)
- Laget P**  
Mamo H, Laget P: Le tonus musculaire. Aspects physiologiques et physiopathologiques. II. Le neurologue devant le tonus musculaire.  
Presse Med 72:2213-8 contd, 19 Sep 64 (Fr)
- Lagrange E**  
Lagrange E, Schumann R: Spätprognose bei Kindern mit operierter Meningomyelozelle.  
Deutsch Med Wschr 89:1457-62, 31 Jul 64 (Ger)
- Lahav M**  
Ben-Ishai R, Lahav M, Zamir A: Control of uracil synthesis by arginine in Escherichia coli.  
J Bact 87:1436-42, Jun 64
- Lajp B**  
Kozlowski K, Lajp B: Metallic foreign body in the maxillary sinus. Lancet 2:698, 20 Sep 64
- Lambert B**  
Lambert B, Donn A: Effect of ouabain on active transport of sodium in the cornea.  
Arch Ophthalmol (Chicago) 72:525-8, Oct 64
- Lambert PB**  
Roy AJ, Lambert PB, Frank HA: Immediate responses of collateral vessels to abrupt arterial occlusion. Amer J Physiol 206:1299-303, Jun 64
- Lambert R**  
Smyth RD, Lambert R, Martin GJ: Quercetin inhibition of specific histidine decarboxylase.  
Proc Soc Exp Biol Med 116:593-6, Jul 64
- Lambert V**  
Lambert V, Richards SH: Facial palsy in Heerfordt's syndrome. J Laryng 78:684-93, Jul 64
- Lambert V**  
Lambert V: Aspects of orbital disease. Some rare tumors of the orbit.  
Proc Roy Soc Med 57:737-8, Aug 64
- Lambrinopoulos TC**  
Lambrinopoulos TC: Prolonged pregnancy associated with increase in serum oxytocinase.  
Obstet Gynec 23:780-2, May 64
- Lamedica GM**  
Nordio S, Lamedica GM, Vignolo L, Berio A: Disaccharide intolerance and mucoviscidosis.  
Lancet 2:819, 10 Oct 64
- Lamond DR**  
Lamond DR: Seasonal changes in the occurrence of oestrus following progesterone suppression of ovarian function in the merino ewe.  
J Reprod Fertil 8:101-14, Aug 64
- Lanari A**  
Nahmod VE, Lanari A: Abolition of autoregulation of renal blood flow by acetylcholine.  
Amer J Physiol 207:123-7, Jul 64
- Landau JW**  
Dzwachiswili N, Landau JW, Newcomer VD, Plunkett OA: The effect of sea water and sodium chloride on the growth of fungi pathogenic to man.  
J Invest Derm 43:103-8, Aug 64
- Lander JH**  
Lander JH, Porterfield JF, Wolff WS: Correlation of parietal cell population with the level of gastric secretion in dogs with Heidenhain pouches.  
Surg Forum 15:310-2, 1964
- Lands AM**  
Lands AM, Brown TG Jr: A comparison of the cardiac stimulating and bronchodilator actions of selected sympathomimetic amines.  
Proc Soc Exp Biol Med 116:331-3, Jun 64
- Landy M**  
Weidanz WP, Jackson AL, Landy M: Some aspects of the antibody response of rabbits to immunization with enterobacterial somatic antigens.  
Proc Soc Exp Biol Med 116:832-7, Jul 64
- Lane D**  
Lane D: The obscure case of bleeding per rectum.  
Aust New Zeal J Surg 34:36-42, Aug 64
- Lane JM**  
Huggins CE, Lane JM, Flickinger CJ: Metabolic changes of the blood and respiratory gas of hamsters cooled to their freezing point by the sealed jar technique. Dis Chest 46:42-5, Jul 64
- Lanfranchi W**  
Pazzanese D, Ramos OL, Lanfranchi W, Portugal OP, Finatti AA, Barreto HF, Sustovich DE: Serum-lipid levels in a Brazilian Indian population.  
Lancet 2:615-7, 19 Sep 64
- Lang FL**  
Urbach KF, Lee WR, Sheely LL, Lang FL, Sharp RP: Spinal or general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. JAMA 190:25-9, 5 Oct 64
- Lange RD**  
Lewis JP, Gallagher NI, Carmody SE, Lange RD: Erythropoietic activity in human urine concentrate.  
Proc Soc Exp Biol Med 116:742-5, Jul 64
- Langman J**  
DuFree AL, Little J, Langman J: Human lens proteins examined by immunochemical and ultracentrifugal techniques. Arch Ophthalmol (Chicago) 72:660-6, Nov 64
- Langmuir AD**  
Hendersson DA, Witte JJ, Morris L, Langmuir AD: Paralytic disease associated with oral polio vaccines.  
JAMA 190:41-8, 5 Oct 64
- Langmuir AD**  
Langmuir AD: The training of the physician. Education and training in preventive medicine and public health. New Eng J Med 271:772-4, 8 Oct 64
- Lanigan R**  
Lanigan R, Blainey JD, Brewer DB: Electron microscopy of the diffuse glomerular lesion in diabetes mellitus with special reference to early changes. J Path Bact 88:255-61, Jul 64
- Lanthier A**  
Lanthier A, Sandor T: The urinary excretion of pregnanediol and pregnanetriol in the polycystic ovary (Stein-Leventhal) syndrome.  
Acta Endocr (Kobenhavn) 46:245-55, Jun 64
- Lapham LW**  
Lapham LW, Johnstone MA: Cytologic and cytochemical studies of neuroglia. 3. The DNA content of giant fibrous astrocytes, with implications concerning the nature of these cells.  
J Neuropath Exp Neurol 23:419-30, Jul 64
- Lapides J**  
Heetderks DR Jr, Rapp R, Correa RJ Jr, Lapides J: An improved method of excretory urography.  
J Urol 92:75-7, Jul 64
- Lapointe L**  
Gilbert G, Aerichidé N, Lapointe L, David P: Congenital mitral insufficiency associated with a ventricular septal defect.  
Amer Heart J 68:107-10, Jul 64
- Lara MY**  
Flores M, García B, Flores Z, Lara MY: Annual patterns of family and children's diet in three Guatemalan Indian communities.  
Brit J Nutr 18:281-93, 1964
- Larcan A**  
(Michon P), Larcan A: Paul Michon (1897-1964) (Fr)  
Presse Med 72:2245, 19 Sep 64 (Fr)
- Larmi TK**  
Larmi TK: Gastrointestinal resections and malabsorption. Ann Chir Gynaec Fenn 53:315-27, 1964
- Larsen OA**  
Larsen OA, Lassen NA: Cerebral hematocrit in normal man. J Appl Physiol 19:571-4, Jul 64
- Larsen RR**  
Larsen RR, Sahiba NS, Sawyer KC: Postgastrectomy internal hernia. Arch Surg (Chicago) 89:725-30, Oct 64
- Larsh HW**  
Smith CD, Ritter R, Larsh HW, Furculow ML: Infection of white swiss mice with airborne Cryptococcus neoformans. J Bact 87:1364-8, Jun 64
- Larson A**  
Eckenhoff JE, Compton JR, Larson A, Davies RM: Assessment of cerebral effects of deliberate hypotension by psychological measurements.  
Lancet 2:711-4, 3 Oct 64
- Larson DL**  
Pollock WJ, Larson DL, Lewis SR: Tissue oxygen tension in pedicle flaps, local hypertrophy, and thermal burns. Surg Forum 15:471-2, 1964
- Larson RE**  
Plaa GL, Larson RE: CCL-4-induced liver damage. Current concepts regarding mechanisms of action.  
Arch Environ Health (Chicago) 9:536-43, Oct 64
- Larson RE**  
Larson RE, Plaa GL, Brody MJ: Immunological



# ABRIDGED INDEX MEDICUS

- sympathectomy and CCl<sub>4</sub> hepatotoxicity. *Proc Soc Exp Biol Med* 116:557-60, Jul 64
- Larson SJ**  
**Larson SJ, Sances A Jr, Jacobs JE:** Suppression of cerebral cortex by electrical anesthesia. *Surg Forum* 15:397-8, 1964
- Larsson Y**  
**Larsson Y, Persson B, Sterky G, Thorén C:** Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. *J Appl Physiol* 19:629-35, Jul 64
- Lary BG**  
**Lary BG:** Postoperative suppurative parotitis. *Arch Surg (Chicago)* 89:653-5, Oct 64
- Lasagna L**  
**Lasagna L, De Kornfeld TJ, Pearson JW:** The analgesic efficacy and respiratory effects in man of a benzomorphan "narcotic antagonist". *J Pharmacol Exp Ther* 144:12-8, Apr 64
- Lasnitzki I**  
**Lasnitzki I:** The effect of methylcholanthrene on rat prostate glands grown in natural and semi-defined medium. *Cancer Res* 24:973-82, Jul 64
- Lassen NA**  
**Larsen OA, Lassen NA:** Cerebral hematocrit in normal man. *J Appl Physiol* 19:571-4, Jul 64
- Lasser RP**  
**Friedberg CK, Lasser RP, Allen DF, Furst SE, Gabor GE:** Production of chronic elevation of left ventricular end diastolic pressure in dogs: hemodynamic and renal studies. *Circ Res* 15:1-10, Jul 64
- Lasserre M**  
**Rivière J, Lasserre M, Kermarec J, Laubie B, Latapie JL, Moreau F:** "Vrais" et "faux" syndromes de Klinefelter. *Presse Med* 72:2511-3, 17 Oct 64 (Fr)
- Latapie JL**  
**Rivière J, Lasserre M, Kermarec J, Laubie B, Latapie JL, Moreau F:** "Vrais" et "faux" syndromes de Klinefelter. *Presse Med* 72:2511-3, 17 Oct 64 (Fr)
- Lathrop FD**  
**Lathrop FD:** Management of chronic inflammation of the salivary glands. *Ann Otol* 73:528-40, Jun 64
- Lathrop KA**  
**Mullan S, Harper PV, Tani E, Vallati G, Lathrop KA:** A nuclear needle for use in neurosurgery. *J Neurosurg* 20:940-7, Nov 63
- Latties VG**  
**Weiss B, Latties VG:** Effects of amphetamine, chlorpromazine, pentobarbital, and ethanol on operant response duration. *J Pharmacol Exp Ther* 144:17-23, Apr 64
- Latsky JM**  
**Latsky JM:** Food for thought. Presidential address. *S Afr Med J* 58:684-8, 22 Aug 64
- Lattimer JK**  
**Gleason DM, Buxbaum C, Lattimer JK:** Pressure telemeter: a method of measuring intravesical pressure without tubes, wires, or catheters. *Surg Forum* 15:502-3, 1964
- Laubie B**  
**Rivière J, Lasserre M, Kermarec J, Laubie B, Latapie JL, Moreau F:** "Vrais" et "faux" syndromes de Klinefelter. *Presse Med* 72:2511-3, 17 Oct 64 (Fr)
- Laufer A**  
**Davies AM, Laufer A, Gery I, Rosenmann E:** Organ specificity of the heart. 3. Circulating antibodies and immunopathological lesions in experimental animals. *Arch Path (Chicago)* 78:369-76, Oct 64
- Laufman H**  
**Nora PF, Mittelpunkt AI, Haley HB, Laufman H:** Protein bound iodine in the thyroid vein of man. *Surg Forum* 15:79-80, 1964
- Launay C**  
**Launay C:** L'absence et le retard du langage chez l'enfant. *Presse Med* 72:2337-8, 26 Sep 64 (Fr)
- Launay C**  
**Launay C:** Absence et retard du développement du langage. II. *Presse Med* 72:2395-6 contd, 3 Oct 64 (Fr)
- Laurence GD**  
**Benson PF, Butler NR, Goffe AP, Knight GJ, Laurence GD, Miller CL, Pollock TM:** Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. *Brit Med J* 5413:851-3, 3 Oct 64
- Laver MB**  
**Laver MB, Morgan J, Bendixen HH, Radford EP Jr:** Lung volume, compliance, and arterial oxygen tensions during controlled ventilation. *J Appl Physiol* 19:725-33, Jul 64
- Lavielle J**  
**Paillass JE, Bonnal J, Lavielle J:** Angiographic images of false aneurysmal sac caused by rupture of median meningeal artery in the course of traumatic extradural hematoma: report of 3 cases. *J Neurosurg* 21:667-71, Aug 64
- Lavy S**  
**Symon L, Ishikawa S, Lavy S, Meyer JS:** Quantitative measurement of cephalic blood flow in the monkey. *J Neurosurg* 20:199-218, Mar 63
- Lavyl A**  
**Lavyl A:** Photocoagulation of the retina: ophthalmoscopic and histological findings. *Brit J Ophthalmol* 47:577-87, Oct 63
- Lawrence JH**  
**Sargent T, Linfoot JA, Stauffer H, Lawrence JH:** Use of a whole body counter in turnover studies with Ca-47. *J Nucl Med* 5:407-16, Jun 64
- Lawrence M**  
**Lawrence M:** Direct stimulation of auditory nerve fibers. *Arch Otolaryng (Chicago)* 80:367-8, Oct 64
- Laws IM**  
**Laws IM:** Osteochondroma of the zygomatic bone. *Brit J Plast Surg* 17:303-8, Jul 64
- Lawson DD**  
**Jacobson I, Lawson DD:** The effect of hyperbaric oxygen on experimental cerebral infarction in the dog. With preliminary correlations of cerebral blood flow at 2 atmospheres of oxygen. *J Neurosurg* 20:849-59, Oct 63
- Lawson LJ**  
**Palumbo LT, Sharpe WS, Lulu DJ, Bloom MH, Dragstedt LR 2d, Lawson LJ:** Distal antrectomy with vagotomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. *Arch Surg (Chicago)* 89:637-44, Oct 64
- Lawson LJ**  
**Lawson LJ, Dragstedt LR 2d:** Vasopressin and gastric secretion. *Surg Forum* 15:118-20, 1964
- Lawson WB**  
**Kent JF, DeWeerd JB, Lawson WB, Kinch WH:** Course of the serologic reactions in rabbits inoculated with different numbers of *Treponema pallidum*. *Amer J Clin Path* 42:33-6, Jul 64
- Lawson WH**  
**Hyde RW, Lawson WH, Forster RE:** Influence of carbon dioxide on pulmonary vasculature. *J Appl Physiol* 19:734-44, Jul 64
- Lawson WJ**  
**Munroe WD, Lawson WJ, Holcomb TH:** Hemolytic anemia due to aminosalicylic acid. Anemia with methemoglobinemia. *Amer J Dis Child* 108:426-9, Oct 64
- Lazebnik J**  
**Frank M, Atsman A, De Vries A, Lazebnik J:** Hyperparathyroidism and uric acid lithiasis: a report of two cases. *Brit J Urol* 36:184-6, Jun 64
- Lea CH**  
**Lea CH, Parr LJ, L'Estrange JL, Carpenter KJ:** Nutritional effects of oxidized fats in animal diets. Beef fat in the diet of rats. *Brit J Nutr* 18:369-84, 1964
- Leach FR**  
**Leach FR, Winter BA, Wilson DD:** Role of lipoleic acid in pyruvate transport. *J Bact* 87:1529-30, Jun 64
- Leader RW**  
**Leader RW:** Lower animals, spontaneous disease, and man. *Arch Path (Chicago)* 78:390-404, Oct 64
- Leake CD**  
**Leake CD:** Life among anesthetists: recollections of forty years. *Anesthesiology* 25:428-35, Jul-Aug 64
- Lear PE**  
**Berliner SD, Burson LC, Lear PE:** Use and abuse of intraperitoneal drains in colon surgery. *Arch Surg (Chicago)* 89:886-9, Oct 64
- Leatham JH**  
**Adams WC, Leatham JH:** Influence of hypothyroidism and chorionic gonadotrophin on ovarian collagen in the rat. *Endocrinology* 75:138-9, Jul 64
- Leavitt RI**  
**Leavitt RI:** Isoleucine and valine metabolism in *Escherichia coli*. XII. Characterization of a factor involved in acetolactate formation. *J Bact* 88:172-8, Jul 64
- Le Bras A**  
**Barraya L, Le Bras A:** Ouverture et fermeture de l'hépatocolédoque. Une technique. *Presse Med* 72:2537-40, 17 Oct 64 (Fr)
- Lecart C**  
**Lecart C, Cavanagh D:** A clinical evaluation of benzodiazepines in the management of toxemia of pregnancy. *Curr Ther Res* 6:357-62, May 64
- Lecchini L**  
**Fois A, Lecchini L:** Acute cerebellar ataxia associated with some features of the Hartnup Syndrome. Presentation of a case. *Helv Paediat Acta* 19:42-9, Jun 64
- Ledbetter JR**  
**Ledbetter JR, Enneking WF:** Effects of sodium ethylenediamine tetra-acetic acid on fracture healing. *Surg Forum* 15:446-8, 1964
- Lederman M**  
**Lederman M:** Cancer of the nasopharynx. *Proc Roy Soc Med* 57:740-2, Aug 64
- Lee CW**  
**Shearman RP, Lee CW, Ilbery PL:** Clinical, hormonal and cytogenetic findings in a true hermaphrodite. *J Obstet Gynaec Brit Comm* 71:627-33, Aug 64
- Lee DA**  
**Martin DC, Van DeWater J, Randel D, Lee DA:** Prolonged functional survival of dog renal grafts with local radiation. *Surg Forum* 15:156-8, 1964
- Lee DK**  
**Schumer W, Lee DK:** Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. *Surg Forum* 15:76-8, 1964
- Lee GR**  
**Lee GR, Haut A, Cartwright GE, Wintrobe MM:** Genetic control of hemoglobin A2 synthesis: an unusual hereditary pattern in a family with thalassemia trait. *J Lab Clin Med* 64:72-8, Jul 64
- Lee HM**  
**Lee HM, Kauffman HM, Cleveland RJ, Hume DM:** Selective immunosuppression by local radiation of renal homografts. *Surg Forum* 15:158-60, 1964
- Lee HM**  
**Kauffman HM, Cleveland RJ, Lee HM, Hume DM:** Significance of lymphocyturia in renal homograft rejection. *Surg Forum* 15:168-70, 1964
- Lee J**  
**Lee J, Jones JJ, Barraclough MA:** Inappropriate secretion of vasopressin. *Lancet* 2:792-3, 10 Oct 64
- Lee JH**  
**Werner HJ, Jolly HW Jr, Lee JH:** Electron microscopic observations of Epidermophyton floccosum. *J Invest Derm* 43:139-43, Aug 64
- Lee LH**  
**Behbehani AM, Lee LH, Melnick JL:** Identification of Thal C-18 virus as a member of the coxsackie virus A20 subgroup. *Proc Soc Exp Biol Med* 116:661-2, Jul 64
- Lee M**  
**Lee M:** A saline injection stripper for varicose veins. *Brit Med J* 5414:939, 10 Oct 64
- Lee ND**  
**Lee ND, Henry RJ, Golub OJ:** Determination of the free thyroxine content of serum. *J Clin Endocr* 24:486-95, Jun 64
- Lee SW**  
**Abramson DI, Tuck S Jr, Chu LS, Agustin CC, Lee SW:** Vascular effects of heparin. *Vasc Dis* 1:180-5, Jul 64
- Lee TK**  
**Meyer JS, Ishikawa S, Lee TK:** Electromagnetic measurement of internal jugular venous flow in the monkey; effect of epilepsy and other procedures. *J Neurosurg* 21:524-39, Jul 64
- Lee WR**  
**Urbach KF, Lee WR, Sheely LL, Lang FL, Sharp RP:** Spinal or general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. *JAMA* 190:25-9, 5 Oct 64
- Lee Y**  
**Frampton J, Lee Y:** Is *Haemophilus vaginalis* a pathogen in the female genital tract? *J Obstet Gynaec Brit Comm* 71:436-42, Jun 64
- Lee YC**  
**Hardy PH Jr, Lee YC, Nell EE:** Use of a bacterial culture filtrate as an aid to the isolation and growth of anaerobic spirochetes. *J Bact* 87:1521-5, Jun 64
- Lee YC**  
**Lee YC, Ballou CE:** Structural studies on the myo-inositol mannodides from the glycolipids of *Mycobacterium tuberculosis* and *Mycobacterium phlei*. *J Biol Chem* 239:1316-27, May 64
- Leeds NE**  
**Stein BM, Leeds NE, Taveras JM, Pool JL:** Meningiomas of the foramen magnum. *J Neurosurg* 20:740-51, Sep 63
- Leeson TS**  
**Leeson TS:** Tarsal (melgoman) glands of the rat. *Brit J Ophthalmol* 47:222-31, Apr 63
- Leeson TS**  
**Speakman JS, Leeson TS:** Pathological findings in a case of primary congenital glaucoma compared with normal infant eyes. *Brit J Ophthalmol* 48:196-204, Apr 64
- Lefrançois R**  
**Lefrançois R, Pasquels P:** Hypoxies. *Presse Med* 72:2528-9, 17 Oct 64 (Fr)
- Legg S**  
**Cohen SL, Legg S, Bird R:** Abdesid method of blood-glucose estimation. *Lancet* 2:883-4, 24 Oct 64
- Lehmann H**  
**Hutchison HE, Pinkerton PH, Waters P, Lehmann H, Beale D, Douglas AS:** Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. *Brit Med J* 5417:1099-103, 31 Oct 64
- Lehmann H**  
**Holman CA, Smith AJ, Whimster WF, Beale D, Lehmann H:** Hemoglobin J-Baltimore in a Kent family. *Brit Med J* 5414:921-2, 10 Oct 64
- Lehmann H**  
**Hutchison HE, Pinkerton PH, Waters P, Lehmann H, Beale D, Douglas AS:** Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. *Brit Med J* 5417:1099-103, 31 Oct 64
- Lehmann H**  
**Farmer MB, Lehmann H, Raine DN:** Two unrelated patients with congenital cyanosis due to haemoglobinopathy M. *Lancet* 2:786-9, 10 Oct 64
- Lehr HB**  
**Barlyn LW, Berggren RB, Lehr HB:** Frozen skin autographs protected by dimethyl sulfoxide. *Surg Forum* 15:475-7, 1964
- Leichsenring F**  
**Leichsenring F:** Pathologisch-anatomische Befunde in der Halswirbelsäulenregion bei verstorbenen Patienten mit Schädeltraumen. *Deutsch Med Wschr* 89:1469-75, 31 Jul 64 (Ger)
- Leiderman JH**  
**Mendelson JH, Wexler D, Kubzansky PE, Harrison R, Leiderman G, Solomon P:** Physicians' attitudes toward alcoholic patients. *Arch Gen Psychiat (Chicago)* 11:392-9, Oct 64
- Leidy G**  
**White DC, Leidy G, Jamieson JD, Shope RE:** Porcine contagious pleuropneumonia. 3. Interrelationship of *Haemophilus pleuropneumoniae* to other species of *Haemophilus*: nutritional, metabolic, transformation, and electron microscopy studies. *J Exp Med* 120:1-12, 1 Jul 64
- Leiner GC**  
**Small MJ, Miller WN, Leiner GC, Strauss HD, Abramowitz S:** Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. *Amer Rev Resp Dis* 90:223-30, Aug 64
- Leistner GH**  
**Kisseler B, Leistner GH, Barth E:** A new method for the roentgenologic opacification of the pancreas. *Radiology* 83:6-11, Jul 64
- Leiter E**  
**Leiter E, Brendler H:** Method of urinary diversion which preserves continence: description of surgical technique and postoperative electrolyte study. *J Urol* 92:37-41, Jul 64
- Leith AB**  
**Leith AB:** Episcleral venous pressure in tonography. *Brit J Ophthalmol* 47:271-8, May 63
- LeJeune FE Jr**  
**Ochsner JL, LeJeune FE Jr:** Tracheal and esophageal obstructions in infants. *Southern Med J* 57:1333-9, Nov 64
- Leman RM**  
**Leman RM:** Thoughts on function and design of diagnostic departments. *Radiography* 30:167-78, Jul 64
- Lemondé P**  
**Lemondé P:** Effect of pregnancy on spontaneous leukaemia in mice. *Brit J Cancer* 18:317-21, Jun 64
- Lempert N**  
**Lempert N, Blumenstock DA:** Survival of dogs after bilateral reimplantation of the lungs. *Surg Forum* 15:179-81, 1964
- Lennard-Jones JE**  
**Cameron HC, Lennard-Jones JE, Robinson MP:** Amputations in the diabetic outcome and survival. *Lancet* 2:605-7, 19 Sep 64



# ABRIDGED INDEX MEDICUS

- Lenobel A**  
Chesley LC, Uchianco L, Lenobel A, Kellerman H:  
Placental permeability to sucrose: a source of error in  
measuring volumes of sucrose distribution in  
gravidas. *Obstet Gynec* 23:795-8, May 64
- Lentini EA**  
Lentini EA, Billings SD: Carbon dioxide effects on  
myocardial contractility  
*Proc Soc Exp Biol Med* 116:484-5, Jun 64
- Leonard BJ**  
Leonard BJ, Leveaux VM, Beach AM: Autologous  
marrow-transplant in acute lymphatic leukaemia  
producing spherocytic red cells.  
*Lancet* 2:843-4, 17 Oct 64
- Leonard CG**  
Leonard CG, Mattheis DK, Mattheis MJ, Housewright  
RD: Transformation to prototrophy and polyglutamic  
acid synthesis in *Bacillus licheniformis*.  
*J Bact* 88:220-5, Jun 64
- Leonard F**  
Brav EA, Macdonald WF, Woodard GH, Leonard F:  
Follow-up notes on articles previously published in  
the *Journal*. *Cineplasty—ten years later*.  
*J Bone Joint Surg [Amer]* 46:1137-8, Jul 64
- Leonardy JG**  
Schilling FJ, Hashim SA, Leonardy JG: Effect of  
controlled breakfast on serum cholesterol and  
triglycerides. *Amer J Clin Nutr* 15:1-4, Jul 64
- Leong LS**  
O'Reilly RA, Aggeler PM, Hoag MS, Leong LS,  
Kropatkin ML: Hereditary transmission of  
exceptional resistance to coumarin anticoagulant  
drugs. The first reported kindred.  
*New Eng J Med* 271:809-15, 15 Oct 64
- Leopold IH**  
Mutlu F, Leopold IH: Allergic response of retinal  
vessel 6. After intravitreal foreign protein.  
*Arch Ophthalmol (Chicago)* 72:513-20, Oct 64
- LePage GA**  
LePage GA, Junga IG, Bowman B: Biochemical and  
carcinostatic effects of 2-deoxythioguanosine.  
*Cancer Res* 24:835-40, Jun 64
- LePage GA**  
Brink JJ, LePage GA: Metabolism and distribution of  
9-beta-D-arabinofuranosyladenine in mouse tissues.  
*Cancer Res* 24:1042-9, Jul 64
- Lepkovsky S**  
Koike TI, Nalbantov AV, Dimick MK, Matsumura Y,  
Lepkovsky S: Action of insulin upon blood glucose  
levels of fasted hypophysectomized, depancreatized  
and normal chickens. *Endocrinology* 74:944-8, Jun 64
- Lepow IH**  
Smink RD Jr, Abernethy RW, Ratnoff OD, Lepow IH:  
Enhancement of vascular permeability by mixtures  
of C1 esterase and normal serum.  
*Proc Soc Exp Biol Med* 116:280-3, Jun 64
- Leppanen MK**  
Leppanen MK: Chronic pyelonephritis from the  
urological standpoint of view with regard to the  
kidney biopsies and long-term chemotherapy.  
*Ann Chir Gynaec Fenn* 53:336-48, 1964
- Lepri G**  
Lepri G, Cristiani R: The ability of certain  
adrenocortical hormones to potentiate the  
vasoconstrictor action of nor-adrenaline on the  
conjunctival vessels in the rabbits and in man.  
*Brit J Ophthalmol* 48:205-8, Apr 64
- Lequire VS**  
Stahlman M, Lequire VS, Young WC, Merrill RE,  
Birmingham RT, Payne GA, Gray J: Pathophysiology  
of respiratory distress in newborn lambs.  
Circulatory, biochemical, and pathological  
considerations. *Amer J Dis Child* 108:375-93, Oct 64
- Lequire VS**  
Traxel WL, Lequire VS: In vitro activation of lipolytic  
activity in the serum of dogs by bile salts.  
*Proc Soc Exp Biol Med* 116:388-92, Jun 64
- Lerner AB**  
Bamshad J, Lerner AB, McGuire JS: Catechol  
O-methyl transferase in skin.  
*J Invest Derm* 43:111-3, Aug 64
- Lerner AB**  
Bamshad J, Lerner AB: S-adenosylmethionine in  
skin. *J Invest Derm* 43:115-7, Aug 64
- Lerner LJ**  
Lerner LJ, Turkheimer AR, Bianchi A, Singer FM,  
Borman A: Comparison of anti-granuloma,  
thymolytic and glucocorticoid activities of  
anti-inflammatory steroids.  
*Proc Soc Exp Biol Med* 116:385-8, Jun 64
- Lerner SS**  
Lerner SS: Cleft nasal tip.  
*Plast Reconstr Surg* 34:197-8, Aug 64
- Lesage MA**  
Lesage MA, Tsuchioka H, Young WG Jr, Sealy WC:  
Tolerance of dogs to deep hypothermia. Controlled  
and maintained with a pump oxygenator.  
*Arch Surg (Chicago)* 99:677-84, Oct 64
- Lesser MB**  
Lesser MB: Left axillary lobe. Report of a case.  
*Dis Chest* 48:95-8, Jul 64
- Lessler K**  
Hallberg RJ, Lessler K, Kane FJ: Korsakoff-like  
psychosis associated with benzodiazepine  
overdosage. *Amer J Psychiat* 121:188-9, Aug 64
- L'Estrange JL**  
Lea CH, Parr LJ, L'Estrange JL, Carpenter KJ:  
Nutritional effects of antioxidant fats in animal diets.  
Beef fat in the diet of rats. *Brit J Nutr* 18:369-84, 1964
- (L'Etang H)**  
(L'Etang H): Some unusual medical students.  
*Practitioner* 193:96-100, Jul 64
- Letteri JM**  
Letteri JM, Wesson LG Jr: Mercaptomerin effect on  
p-aminobiphenyl transport in man and  
pentobarbitalized dog.  
*Amer J Physiol* 206:1379-83, Jun 64
- Letterman G**  
Letterman G, Schurter M: The split-thickness skin  
graft in the management of hereditary hemorrhagic  
telangiectasia involving the nasal mucosa.  
*Plast Reconstr Surg* 34:126-35, Aug 64
- Leuchtenberger C**  
Rowley D, Leuchtenberger C: Antigen-stimulated  
deoxyribonucleic-acid synthesis in vitro by  
sensitized mouse macrophages.  
*Lancet* 2:734-5, 3 Oct 64
- Levatin P**  
Levatin P, Ogilvie RJ: Pseudo-Argyll Robertson  
pupils in optic nerve disease.  
*Brit J Ophthalmol* 48:109-13, Feb 64
- Leveaux VM**  
Leonard BJ, Leveaux VM, Beach AM: Autologous  
marrow-transplant in acute lymphatic leukaemia  
producing spherocytic red cells.  
*Lancet* 2:843-4, 17 Oct 64
- Levenson J**  
Levenson J, Lindahl-Kiessling K, Rayner S: Carnosine  
excretion in juvenile amaurotic idiocy.  
*Lancet* 2:756-7, 3 Oct 64
- Levenson SM**  
Berberian GM, Kuyama T, Geever EF, Levenson SM:  
Wound healing defect in lathyrism.  
*Surg Forum* 15:50-2, 1964
- Lever AF**  
Brown JJ, Davies DL, Lever AF, Robertson JI:  
Variations in plasma renin during the menstrual  
cycle. *Brit Med J* 5417:1114-5, 31 Oct 64
- Lever AF**  
Brown JJ, Davies DL, Lever AF, Lloyd AM, Robertson  
JI, Tree M: A renin-like enzyme in normal human  
urine. *Lancet* 2:709-11, 3 Oct 64
- Levin J**  
Levin J, Conley CL: Thrombocytosis associated with  
malignant disease.  
*Arch Intern Med (Chicago)* 114:497-500, Oct 64
- Levine HJ**  
Britman NA, Levine HJ: Contractile element work: a  
major determinant of myocardial oxygen  
consumption. *J Clin Invest* 43:1397-408, Jul 64
- Levine HJ**  
Levine HJ, Britman NA: Force-velocity relations in  
the intact dog heart. *J Clin Invest* 43:1383-96, Jul 64
- Levine L**  
Sonneborn DR, Sussman M, Levine L: Serological  
analyses of cellular slime-mold development. I.  
Changes in antigenic activity during cell aggregation.  
*J Bact* 87:1321-9, Jun 64
- Levine ND**  
Henkin RI, Levine ND, Sussman HH, Maxwell MH:  
Evidence for the presence of substances toxic for  
HeLa cells in the serum and in the dialysis fluid of  
patients with glomerulonephritis.  
*J Lab Clin Med* 64:79-88, Jul 64
- Levine ND**  
Rockoff SD, Levine ND, Austen WG:  
Roentgenographic clues to the cardiac  
hemodynamics of aortic stenosis.  
*Radiology* 83:58-62, Jul 64
- Levine R**  
Levine R: History of etiology of diabetes mellitus.  
*Arch Path (Chicago)* 78:405-8, Oct 64
- Levine S**  
Levine S, Treiman DM: Differential plasma  
corticosterone response to stress in four inbred  
strains of mice. *Endocrinology* 75:142-4, Jul 64
- Levine S**  
Payan H, Levine S, Strebel R: Effect of  
anoxic-ischemic procedure on experimental epilepsy  
in the rat. *Proc Soc Exp Biol Med* 116:454-6, Jun 64
- Levine SA**  
Levine SA: Our neglect of general internists and  
practitioners in teaching hospitals.  
*JAMA* 190:286-8, 26 Oct 64
- Levitt H**  
Fellner CH, Levitt H: A new approach to overweight.  
*Amer J Clin Nutr* 15:50-3, Jul 64
- Levitz M**  
Levitz M, Money WL, Katz J, Dancis J: Relative  
transfer and binding of estradiol-6,7-3H and  
estradiol-16-14C by the guinea pig placenta.  
*Endocrinology* 74:949-54, Jun 64
- Levonen E**  
Mustakallio KK, Levonen E: Histochemical  
demonstration of heparin precipitating lipids in  
atherosclerotic aortas.  
*J Atheroscler Res* 4:370-2, Jul-Aug 64
- Levy E**  
Peters H, Levy E: Radiation sensitivity of the mouse  
ovary: fertility and oocyte survival.  
*Fertil Steril* 15:407-18, Jul-Aug 64
- Levy JV**  
Levy JV, Richards V: Effects of aldosterone, ouabain  
and deoxycorticosterone on oxygen uptake of  
isolated cardiac muscle.  
*J Pharmacol Exp Ther* 144:104-9, Apr 64
- Levy LJ**  
Levy LJ, Lipscomb CP, McDonald HC Jr, Davis CP:  
Fusions of the lumbar spine: comparative results.  
*Southern Med J* 57:1326-32, Nov 64
- Levy RP**  
Levy RP, Marshall JS, McGuire WL: The effect of  
thyroxine and triiodothyronine treatment on the  
resin uptake of I-131-thyroxine and triiodothyronine.  
*Metabolism* 13:557-61, Jun 64
- Levy SB**  
Levy SB: Isologous interference with ultraviolet and  
x-ray irradiated bacteriophage T2.  
*J Bact* 87:1330-8, Jun 64
- Lewellen CJ**  
Schoenfeld RG, Lewellen CJ: A colorimetric method  
for determination of serum chloride.  
*Clin Chem* 10:533-9, Jun 64
- Lewi P**  
Lewi P: Areas under thermal-dilution curves,  
assuming log-normal distribution.  
*Amer J Physiol* 207:144-8, Jul 64
- Lewis CE**  
Lewis CE: An exercise in the costs of medical care.  
*Arch Environ Health (Chicago)* 9:581-4, Nov 64
- Lewis CM**  
Keirle AM, Lewis CM, Helmsworth JA, Altmeier  
WA: Hypothermic reduction of ammonia release into  
the circulation by the kidney.  
*Surg Forum* 15:102-3, 1964
- Lewis EB**  
Lewis EB: Disappearing plastic cannula.  
*Brit Med J* 5415:1010-1, 17 Oct 64
- Lewis F**  
Lewis F, Schulman H, Hayashi TT:  
Spectrophotometric analysis of amniotic fluid in  
erythroblastosis fetalis. *JAMA* 190:195-8, 19 Sep 64
- Lewis FS**  
Rutman RJ, Lewis FS, Price CC: Experimental  
chemotherapy studies. IV. The protective action of  
mercaptoalkylamines against alkylating agents.  
*Cancer Res* 24:626-33, May 64
- Lewis JP**  
Lewis JP, Gallagher NI, Carmody SE, Lange RD:  
Erythropoietic activity in human urine concentrate.  
*Proc Soc Exp Biol Med* 116:742-5, Jul 64
- Lewis MJ**  
Lewis MJ, Phaff HJ: Release of nitrogenous  
substances by brewer's yeast. 3. Shock excretion of  
amino acids. *J Bact* 87:1389-96, Jun 64
- Lewis SR**  
Pollock WJ, Larson DL, Lewis SR: Tissue oxygen  
tension in pedicle flaps, local hypothermia, and  
thermal burns. *Surg Forum* 15:471-2, 1964
- Lewis W**  
Snyder F, Lewis W: Phospholipid patterns in livers  
accumulating fat.  
*Proc Soc Exp Biol Med* 116:459-62, Jun 64
- Lhermitte F**  
Auquier L, Bonis A, Hamburger J, Lhermitte F,  
Péquignot H: Etat actuel du traitement de la maladie  
de Parkinson. *Presse Med* 72:2531-4, 17 Oct 64 (Fr)
- Libre EP**  
Libre EP, McFarland W: Effect of ethionine-induced  
pancreatic damage on intestinal enzyme activity of  
the rat. *Proc Soc Exp Biol Med* 116:452-4, Jun 64
- Lichter EA**  
Lichter EA: Thyroglobulin antibody activity in the  
gamma-globulins gamma-A, gamma-B and gamma-C  
of human serum.  
*Proc Soc Exp Biol Med* 116:555-7, Jul 64
- Lichtlen PR**  
Ross RS, Ueda K, Lichtlen PR, Rees JR: Measurement  
of myocardial blood flow in animals and man by  
selective injection of radioactive inert gas into the  
coronary arteries. *Circ Res* 15:28-41, Jul 64
- Licursi P**  
Bennett B, Licursi P: Action of isoimmune serum on  
peritoneal cells in vitro.  
*Proc Soc Exp Biol Med* 116:404-9, Jun 64
- Lidd D**  
Lidd D, Connell JT: Specific binding of an  
I-131-labeled ragweed pollen fraction by sera of  
untreated ragweed-sensitive humans.  
*J Allergy* 35:289-305, Jul-Aug 64
- Liddle HV**  
Liddle HV: Role of oxygen in development of  
pulmonary hypertension. *Surg Forum* 15:186-8, 1964
- Lieben J**  
Lieben J, Dattoli JA, Israel HL: Probable berylliosis  
from beryllium alloys.  
*Arch Environ Health (Chicago)* 9:473-7, Oct 64
- Lieberman I**  
Tsukada K, Lieberman I: Metabolism of nucleolar  
ribonucleic acid after partial hepatectomy.  
*J Biol Chem* 239:1564-8, May 64
- Lieberman M**  
Lieberman M: Public expenditures for the mentally  
ill in New York City.  
*Public Health Rep* 79:879-88, Oct 64
- Liebermann Y**  
Kalter YE, Liebermann Y, Pauzner YM: Pitfalls in  
diagnosis of mediastinal tumors. Evaluation of 100  
cases. *Dis Chest* 46:174-80, Aug 64
- Liebowitz D**  
Kivel EM, Kearns DH, Liebowitz D: Significance of  
antibodies to dietary proteins in the serums of  
patients with nontropical sprue.  
*New Eng J Med* 271:769-72, 8 Oct 64
- Liem DS**  
Liem DS, Waltuch TL, Eiseman B: Function of the  
ex-vivo pig liver perfused with human blood.  
*Surg Forum* 15:90-1, 1964
- Liffmann KE**  
Liffmann KE, Dorman BA, Corvase WP: Local  
hypothermia for hematemesis in a hemophiliac.  
*JAMA* 190:553-4, 9 Nov 64
- Lifson N**  
Hakim AA, Lifson N: Urea transport across dog  
intestinal mucosa in vitro.  
*Amer J Physiol* 206:1315-20, Jun 64
- Lifton RJ**  
Lifton RJ: On death and death symbolism: the  
Hiroshima disaster. *Psychiatry* 27:191-210, Aug 64
- Liguori G**  
Liguori G, Guiso GF, Campanacci L: The effects of  
metopirone on glucose metabolism.  
*Metabolism* 13:499-506, Jun 64
- Likoff W**  
Rabbino MD, Likoff W, Dreifus LS: Complications and  
limitations of direct-current countershock.  
*JAMA* 190:417-20, 2 Nov 64
- Lilien OM**  
Lilien OM, Spitzer E: The counter current system and  
osmotic diuresis. *J Urol* 92:9-16, Jul 64
- Lillicrap D**  
Lillicrap D, Piesowicz A: Mitral stenosis and systemic  
emboli. *Brit Med J* 5418:1169-71, 7 Nov 64
- Lim TP**  
Lim TP, Brownlee WE: Diffusion impairment in  
obstructive pulmonary emphysema.  
*Amer Rev Resp Dis* 90:213-22, Aug 64
- Limburg H**  
Limburg H, Krahe M: Die Züchtung von  
menschlichem Krebsgewebe in der Gewebekultur



# ABRIDGED INDEX MEDICUS

- und seine Sensibilitätstestung gegen neuere Zytostatika. *Deutsch Med Wschr* 89:1938-46, 9 Oct '64 (Ger)
- Lin TK**  
**Lin TK:** Right bundle branch block by diaphragmatic inspiration independent of heart rate. *Arch Intern Med* (Chicago) 114:538-40, Oct '64
- Linch AL**  
**Wuerts RL, Fraxee WH Jr, Hume WG, Linch AL, Wetherhold JM:** Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. *Arch Environ Health* (Chicago) 9:478-91, Oct '64
- Lincoln JR**  
**Baldini E, Lincoln JR:** Treatment of acute hypertensive crises in surgical patients. *JAMA* 190:157-8, 12 Oct '64
- Lindahl-Kiessling K**  
**Levenson J, Lindahl-Kiessling K, Rayner S:** Carnosine excretion in juvenile amaurotic idiocy. *Lancet* 2:756-7, 3 Oct '64
- Lindahl-Kiessling K**  
**Lindahl-Kiessling K:** Short-term phytohaemagglutinin culture on human thoracic-duct lymphocytes. *Lancet* 2:862-3, 17 Oct '64
- Linde LM**  
**Linde LM, Siegel SI, Martelle RR, Simmons DH:** Lung function in congenital heart disease. *Dis Chest* 46:46-50, Jul '64
- Lindeman RC**  
**Lindeman RC, Silverstein H:** The "arrow tube". *Arch Otolaryng* (Chicago) 80:473, Oct '64
- Lindemann K**  
**Lindemann K:** Die Verantwortung des Arztes für die Rehabilitation Schwerbehinderter. *Deutsch Med Wschr* 89:1934-8, 9 Oct '64 (Ger)
- Linden I**  
**Linden I:** Myocardial infarction treated with low-molecular-weight dextran. *Lancet* 2:759, 3 Oct '64
- Lindenmann J**  
**Lindenmann J:** Inheritance of resistance to influenza virus in mice. *Proc Soc Exp Biol Med* 116:506-9, Jun '64
- Lindgren P**  
**Lindgren P, Löfström B, Saltzman GF:** Intravascular erythrocyte aggregation after intravenous injection of contrast media. *Acta Radiol [Diagn]* (Stockholm) 2:334-44, Jul '64
- Lindholm H**  
**Wollheim FA, Belfrage S, Cöster C, Lindholm H:** Primary "acquired" hypogammaglobulinemia; clinical and genetic aspects of nine cases. *Acta Med Scand* 176:1-16, Jul '64
- Lindner DW**  
**Lindner DW, Gurdjian ES:** Static atherosclerotic occlusive lesion: a five-year "watch" on a carotid stenosis: report of a case. *J Neurosurg* 20:158-60, Feb '63
- Lindner DW**  
**Gurdjian ES, Hardy WG, Lindner DW, Thomas LM:** Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. *J Neurosurg* 20:418-27, May '63
- Lindqvist S**  
**Örbrant KO, Lindqvist S:** Fertility after chemotherapy in male patients with genital tuberculosis. *Fertil Steril* 15:440-9, Jul-Aug '64
- Lindsay JR**  
**Fernandez C, Lindsay JR:** The vestibular Coriolis reaction. *Arch Otolaryng* (Chicago) 80:469-72, Oct '64
- Lindsay P**  
**Zingg W, Lindsay P:** Rheology of blood-dextran mixtures. *Surg Forum* 15:228-30, 1964
- Lindsay WK**  
**Lindsay WK, Tustanoff ER, Birdsall DC:** Uptake of tritiated proline in regenerating tendon. *Surg Forum* 15:459-61, 1964
- Lindsey ES**  
**Abbott CP, Lindsey ES, Creech O Jr, De Witt CW:** A technique for heart transplantation in the rat. *Arch Surg* (Chicago) 89:645-52, Oct '64
- Lindstrom PA**  
**Lindstrom PA, Beck EC:** Suppression of epileptic movements in the presence of grand mal seizure discharges. *J Neurosurg* 20:97-104, Feb '63
- Linell EA**  
**Drake CG, Pfalzner PM, Linell EA:** Intracavitary irradiation of malignant brain tumours. *J Neurosurg* 20:428-34, May '63
- Linfoot JA**  
**Sargent T, Linfoot JA, Stauffer H, Lawrence JH:** Use of a whole body counter in turnover studies with Ca-47. *J Nucl Med* 5:407-16, Jun '64
- Ling CM**  
**Ling CM, Hedrick LR:** Proline oxidases in *Hansenula subpelliculosa*. *J Bact* 87:1462-70, Jun '64
- Ling JT**  
**Marshall TR, Ling JT:** Angiography: its place in current practice. *Vasc Dis* 1:3-7, Jan '64
- Linhart J**  
**Ganz V, Hlavová A, Froněk A, Linhart J, Přerovský I:** Measurement of blood flow in the femoral artery in man at rest and during exercise by local thermomodulation. *Circulation* 30:86-9, Jul '64
- Linthorst G**  
**Linthorst G:** Liver function after long-term progestational treatment with and without oestrogen. *Brit Med J* 54:1492-1, 10 Oct '64
- Lipp JA**  
**Lipp JA:** Effect of deep hypothermia on the electrical activity of the brain. *Electroenceph Clin Neurophysiol* 17:46-51, Jul '64
- Lipscomb CP**  
**Levy LJ, Lipscomb CP, McDonald HC Jr, Davis CP:** Fusions of the lumbar spine: comparative results. *Southern Med J* 57:1326-32, Nov '64
- Lipsett MB**  
**Kirschner MA, Lipsett MB:** The effect of exogenous precursors on etiocholanolone androsterone ratios in man. *Acta Endocr* (Copenhagen) 46:207-16, Jun '64
- Lipton EL**  
**Lipton EL, Walsh LF, Mueller WJ, Salamy BA:** A respiratory alarm for infants. *J Pediatr* 65:294-6, Aug '64
- Lister A**  
**Lister A, Morgan G:** Choroidal haemangio-endothelioma. *Brit J Ophthalmol* 47:215-21, Apr '63
- Lister J**  
**Lister J, Kinney JM, Moore FD:** Correlation between total exchangeable potassium and resting energy expenditure. *Surg Forum* 15:83-4, 1964
- Lithwick NH**  
**Lithwick NH, Healy MK, Cohen J:** Micro-analysis of bone by laser microprobe. *Surg Forum* 15:439-41, 1964
- Litin EM**  
**Duffy JC, Litin EM:** Psychiatric morbidity of physicians. *JAMA* 189:989-92, 28 Sep '64
- Litofsky A**  
**Jenkins DW, Carruthers RR, Litofsky A, Collins WF:** Electrophysiological study of regenerating peripheral nerve. Relationship of size of fibers and rate of growth. *J Neurosurg* 20:344-7, Apr '63
- Little J**  
**DuPree AL, Little J, Langman J:** Human lens proteins examined by immunochromatological and ultracentrifugal techniques. *Arch Ophthalmol* (Chicago) 72:660-6, Nov '64
- Little JB**  
**Little JB, Radford EP Jr:** Effects of ionizing radiation and their importance in anesthesiology. *Anesthesiology* 25:479-89, Jul-Aug '64
- Little K**  
**Taylor TK, Little K:** Proapsed calcified thoracic intervertebral disc. *J Path Bact* 88:153-7, Jul '64
- Little RC**  
**Boyle J 3d, Little RC:** Study of hemodynamic factors which alter the sequence of the second heart sound. *Amer Heart J* 68:91-7, Jul '64
- Little WA**  
**Henry JB, Little WA, Christian CD:** Modified immunologic test for pregnancy. *Amer J Clin Path* 42:109-13, Jul '64
- Little WA**  
**Little WA, Friedman EA:** Significance of the placental position. A report from the collaborative study of cerebral palsy. *Obstet Gynec* 23:804-9, May '64
- Littlewood PK**  
**Rountree PM, Littlewood PK:** The nasal flora of Auyana people in the Eastern highlands of New Guinea. *Med J Aust* 2:336-7, 29 Aug '64
- Litwin SB**  
**Clouse ME, Fraley EE, Litwin SB:** Lymphangiographic criteria for diagnosis of retroperitoneal fibrosis. *Radiology* 83:1-5, Jul '64
- (Livingstone D)**  
**(Livingstone D), Evans PA:** The ophthalmic observations of David Livingstone. *Brit J Ophthalmol* 47:372-4, Jun '63
- Livsey TJ**  
**Jacobs J, Livsey TJ, Stephens BJ:** Methicillin spray and staphylococcal carriage in a neonatal unit. *J Obstet Gynaec Brit Comm* 71:543-55, Aug '64
- Lloyd AM**  
**Brown J, Davies DL, Lever AF, Lloyd AM, Robertson JI, Tree M:** A renin-like enzyme in normal human urine. *Lancet* 2:709-11, 3 Oct '64
- Lloyd JP**  
**Lloyd JP:** Phospholine iodide (217M1) (ecothiophate iodide) in the treatment of glaucoma. *Brit J Ophthalmol* 47:469-84, Aug '63
- Lloyd LC**  
**Lloyd LC:** The aetiology of cysts in the skin of some families of Merino sheep in Australia. *J Path Bact* 88:219-27, Jul '64
- Lloyd O**  
**Bottomley JE, Lloyd O, Chalmers DG:** Postoperative prophylactic anticoagulants in gynaecology. A ten-year study. *Lancet* 2:835-6, 17 Oct '64
- Lobb LG**  
**Gericke OL, Lobb LG:** The critical role of defense mechanisms in the outcome of chronic brain syndromes in the aged. *J Amer Geriatr Soc* 12:646-51, Jul '64
- Lobl LI**  
**Hoch-Liget C, Lobl LI, Arvin JM:** Effect of nitrosamine derivatives on enzyme concentrations in rat organs during carcinogenesis. *Brit J Cancer* 18:271-84, Jun '64
- Loeffler JD**  
**Coben LA, Loeffler JD, Elsasser JC:** Spinal fluid iodide transport in the dog. *Amer J Physiol* 206:1373-8, Jun '64
- Loeffler J**  
**Loeffler J, Hafner CD:** Survival rate in obstructing carcinoma of colon. *Arch Surg* (Chicago) 89:716-8, Oct '64
- Loesche WJ**  
**Socransky SS, Loesche WJ, Hubersak C, Macdonald JB:** Dependency of Treponema microdentium on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. *J Bact* 88:200-9, Jul '64
- Loewenthal LJ**  
**Loewenthal LJ, Hins SC:** The aetiology of miliaria. *S Afr Med J* 38:613-5, 15 Aug '64
- Loewy A**  
**Skolnik EM, Loewy A, Smoler J:** Experiences with partial laryngopharyngectomy. *Ann Otol* 73:417-25, Jun '64
- Löf B**  
**Areskog NH, Löf B, Nylander G, Sundquist O, Thoren L:** Arteriovenous fistula between the common iliac artery and vein. *Vasc Dis* 1:113-8, Mar '64
- Löfström B**  
**Lindgren P, Löfström B, Saltzman GF:** Intravascular erythrocyte aggregation after intravenous injection of contrast media. *Acta Radiol [Diagn]* (Stockholm) 2:334-44, Jul '64
- Logan DJ**  
**Logan DJ, King LR:** Effect of proteolytic enzymes from carica papaya on induced edema in dog ureters. *Surg Forum* 15:481-2, 1964
- Logan WD Jr**  
**Gerle RD, Logan WD Jr:** Roentgenogram of the month. *Dis Chest* 46:89-90, Jul '64
- Loh PC**  
**Loh PC:** The role of RNA in the synthesis of vaccinia virus. *Proc Soc Exp Biol Med* 116:789-92, Jul '64
- Loh RC**  
**Loh RC, Chan KY:** Paralysis of conjugate vertical ocular movements and disturbance of sleep rhythm. *Brit J Ophthalmol* 48:399-401, Jul '64
- Loken HF**  
**Graham WP 3d, Gordan GS, Loken HF, Blum A, Halden A:** Effect of pregnancy and of the menstrual cycle on hypoparathyroidism. *J Clin Endocr* 24:512-6, Jun '64
- Lombard HL**  
**Lombard HL:** Some problems of lung cancer. *Lancet* 2:691, 20 Sep '64
- Lombard JH**  
**Dreyer JJ, Du Bruyn DB, Brandt J, Lombard JH, Schweigart F:** A preliminary note on the nutrient composition and protein value of green maize. *S Afr Med J* 38:648-52, 22 Aug '64
- Lombardo L**  
**Lombardo L, Alonso P, Saénz Arroyo L, Brandt H, Humberto Mateos J:** Cerebral amebiasis: report of 17 cases. *J Neurosurg* 21:704-9, Aug '64
- London DR**  
**Prunty FT, Brooks RV, Dupre J, Hutchinson JS, London DR, Mills IH, Rhodes P:** Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. *Proc Roy Soc Med* 57:529-32, Jun '64
- London M**  
**London M, Marymont JH Jr:** Analyses on heat-coagulated blood and serum. II. The determination of serum inorganic phosphate. *Clin Chem* 10:417-23, May '64
- Loneragan ET**  
**Glick SM, Roth J, Loneragan ET:** Survival of endogenous human growth hormone in plasma. *J Clin Endocr* 24:501-5, Jun '64
- Long DD**  
**Long DD, Powers SR Jr:** Effect of mannitol on renal tissue osmolality. *Surg Forum* 15:15-6, 1964
- Long ER**  
**(Wade HW), Long ER:** H.W. Wade, M.D., Editor Emeritus. *Int J Leprosy* 32:73-7, Jan-Mar '64
- Longbottom JL**  
**Longbottom JL, Pepys J:** Pulmonary aspergillosis: diagnostic and immunological significance of antigens and C-substance in *Aspergillus fumigatus*. *J Path Bact* 88:141-51, Jul '64
- Longhurst PL**  
**MacRae DJ, Irani JB, Bowler RG, Longhurst PL:** A comparison between vaginal cytology and urinary hormone excretion during pregnancy. *J Obstet Gynaec Brit Comm* 71:586-98, Aug '64
- Longmire WP Jr**  
**Stevens GH, Kitagawa S, Longmire WP Jr:** Autotransplantation of lymphatic vessels in the dog. *Surg Forum* 15:239-41, 1964
- Longo LD**  
**Longo LD:** Postobstetric genitourinary-tract fistula. A report of 38 cases in a West African community. *Obstet Gynec* 23:768-73, May '64
- Loop JW**  
**Loop JW, White LE Jr, Shaw CM:** Traumatic occlusion of the basilar artery within a clivus fracture. *Radiology* 83:36-40, Jul '64
- Lorber A**  
**Lorber A:** Increased globulin fractionation by an improved vertical gel electrophoretic technique. *J Lab Clin Med* 64:133-44, Jul '64
- Lorenz FW**  
**Bobr LW, Ogasawara FX, Lorenz FW:** Distribution of spermatozoa in the oviduct and fertility in domestic birds. II. Transport of spermatozoa in the fowl oviduct. *J Reprod Fertil* 8:49-58, Aug '64
- Lorenz FW**  
**Bobr LW, Lorenz FW, Ogasawara FX:** Distribution of spermatozoa in the oviduct and fertility in domestic birds. I. Residence sites of spermatozoa in fowl oviducts. *J Reprod Fertil* 8:39-47, Aug '64
- Lorr M**  
**McNair DM, Lorr M, Hemingway P:** Further evidence for syndrome-based psychotic types. *Arch Gen Psychiat* (Chicago) 11:368-76, Oct '64
- Lotlikar PD**  
**Margroth A, Lotlikar PD, Miller EC, Miller JA:** The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. *Cancer Res* 24:920-5, Jun '64
- Lougheed WM**  
**Khodadad G, Lougheed WM:** Repair of small arteries with contact cement and teflon graft. *J Neurosurg* 21:552-60, Jul '64
- Loughridge BP**  
**Roberts LB, Loughridge BP, Williams GR:** Relationship between lung distensibility, pulmonary blood flow, and pulmonary blood volume. *Surg Forum* 15:181-2, 1964
- Lourie H**  
**Stewart WA, Lourie H:** An experimental evaluation of the effects of subarachnoid injection of phenol-pantopaque in cats: a histological study. *J Neurosurg* 20:64-72, Jan '63
- Lourie H**  
**Lourie H, Vanasupa P:** Comments on the use of intraspinal phenol-pantopaque for relief of pain and spasticity. *J Neurosurg* 20:60-3, Jan '63
- Louw LJ**  
**Louw LJ:** Nutrition education: a challenge. *S Afr Med J* 38:679-80, 22 Aug '64
- Louwerens B**  
**Huis in't Veld LG, Louwerens B, Reilingh W:** The origin of urinary dehydroepiandrosterone in bears. *Acta Endocr* (Copenhagen) 48:185-96, Jun '64
- Love R**



# ABRIDGED INDEX MEDICUS

- Love R, Fernandes MV, Koprowski H: Cytochemistry of inclusion bodies in tissue culture cells infected with rabies virus. *Proc Soc Exp Biol Med* 116:560-3, Jul 64
- Loveless JD  
Riley V, Loveless JD, Fitzmaurice MA: Comparison of a lactate dehydrogenase elevating viruslike agent and Eperythrozoon coccidiosis. *Proc Soc Exp Biol Med* 116:486-90, Jun 64
- Lovell-Smith JB  
Lovell-Smith JB: G.M.S. benefits. *New Zeal Med J* 63:451-2, Jul 64
- Lovig CA  
Kiser DE, Lovig CA, Howell BA, Cox B: Changes in the adenylic acid deaminase activity of rat liver during carcinogenesis. *Cancer Res* 24:1050-5, Jul 64
- Lowe HJ  
Lowe HJ: Preservation of volatile anesthetics in blood and tissue. *Anesthesiology* 25:568-8, Jul-Aug 64
- Lowe MB  
Lowe MB: Haemophilus influenzae type-C bronchopneumonia. *J Path Bact* 88:315-6, Jul 64
- Lowe RD  
Jenkins JS, Lowe RD, Titterton E: Effect of adrenocortical hormones on release of free fatty acids and uptake of glucose in human peripheral tissues. *Clin Sci* 26:421-7, Jun 64
- Lowe RF  
Lowe RF: Primary angle-closure glaucoma. Family histories and anterior chamber depths. *Brit J Ophthalmol* 48:191-5, Apr 64
- Lowe RF  
Lowe RF: Comparative incidence of angle-closure glaucoma among different national groups in Victoria, Australia. *Brit J Ophthalmol* 47:721-7, Dec 63
- Lowell FC  
Lowell FC: Observations on heaves. An asthma-like syndrome in the horse. *J Allerg* 35:322-30, Jul-Aug 64
- Lowen W  
Lowen W, Smythe AD: Cystic disease of the renal pyramids (medullary sponge kidney). *Clin Radiol* 15:271-8, Jul 64
- Lowenstein E  
Zaroff LI, Lowenstein E, Walker HL, Villarreal Y: Excess lactate in cyanotic dogs during hyperbaric oxygenation. *Surg Forum* 15:202-3, 1964
- Lowenstein J  
Richards V, Braverman M, Florida R, Persidsky M, Lowenstein J: Initial clinical experiences with liquid nitrogen preserved blood, employing PVP as a protective additive. *Amer J Surg* 108:313-22, Aug 64
- Lowenstein L  
Bain B, MacLean LD, Lowenstein L, Briers S: In vitro test to detect the degree of antigenic difference between individuals. *Surg Forum* 15:151-2, 1964
- Lowman J  
Berendsohn S, Lowman J, Sundberg D, Watson CJ: Idiopathic dyserythropoietic jaundice. *Blood* 24:1-18, Jul 64
- Lowmyer ED  
Lowmyer ED, Witkowski, Simons HM, Zagula ZW: Value of comedo extraction in treatment of acne vulgaris. *JAMA* 189:1000-2, 28 Sep 64
- Lowry RH  
Ball LW, Lowry RH: Space flight problems-mechanical, medical, and moral. *JAMA* 189:1013-5, 28 Sep 64
- Loygue J  
Loygue J: Le traitement des cancers des colons. *Presse Med* 72:2219-22, 19 Sep 64 (Fr)
- Lubaroff DM  
Lubaroff DM, Ritts RE: In vitro cytotoxicity in delayed-type hypersensitivity and immunologic tolerance. *Proc Soc Exp Biol Med* 116:823-7, Jul 64
- Lubash GD  
Lubash GD, Phillips RE, Shields JD 3d, Bonnes RW: Acute aniline poisoning treated by hemodialysis. Report of a case. *Arch Intern Med (Chicago)* 114:530-2, Oct 64
- Lubetzki J  
Azérad E, Lubetzki J, Kreis H: Quelques réflexions sur le diabète. *Presse Med* 72:2195-9, 19 Sep 64 (Fr)
- Lucas DB  
Murray WR, Lucas DB, Inman VT: Treatment of non-union of fractures of the long bones by the two-plate method. *J Bone Joint Surg [Amer]* 46:1027-48, Jul 64
- Lucas FV  
Polite LL, Lucas FV: Paper chromatographic studies of the three serum bile pigments. *Amer J Clin Path* 42:22-32, Jul 64
- Luchmann A  
Schreiber HW, Luchmann A, Schiefers KH, Esser G: Über das Ulkus bei der Leberzirrhose. *Deutsch Med Wochr* 89:1787-9, 18 Sep 64 (Ger)
- Lucid ML  
Lucid ML: The interlocking slip knot. *Plast Reconstr Surg* 34:200-1, Aug 64
- Luck J  
Veith FJ, Luck J, Murray JE: Splenectomy in immunosuppressive regimens in dog and man. *Surg Forum* 15:161-3, 1964
- Luckey TD  
Hudson JA, Luckey TD: Bacteria induced morphologic changes. *Proc Soc Exp Biol Med* 116:628-31, Jul 64
- Luft R  
Cerasi E, Luft R: Insulin response to glucose loading in acromegaly. *Lancet* 2:769-71, 10 Oct 64
- Lulu DJ  
Palumbo LT, Sharpe WS, Lulu DJ, Bloom MH, Dragstedt LR 2d, Lawson LJ: Distal antrectomy with vagotomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. *Arch Surg (Chicago)* 89:637-44, Oct 64
- Lund E  
Lund E: Oxidative inactivation of different types of enterovirus. *Amer J Hyg* 80:1-10, Jul 64
- Lund PG  
Pollard WO, Shorb MS, Lund PG, Vasaitis V: Effect of triparanol on synthesis of fatty acids by Tetrahymena pyriformis. *Proc Soc Exp Biol Med* 116:539-43, Jun 64
- Lundberg WO  
Verdino B, Blank ML, Privett OS, Lundberg WO: Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. *J Nutr* 83:234-8, Jul 64
- Lundgren DL  
Sidwell RW, Lundgren DL, Thorpe BD: Psittacosis complement-fixing antibodies in sera from fauna of the Great Salt Lake Desert of Utah. *Amer J Trop Med* 13:591-4, Jul 64
- Lundin PM  
Angervall L, Lundin PM: Corticosteroid action on the fetal thymus and spleen. *Endocrinology* 74:986-9, Jun 64
- Lunding M  
Lunding M, Steiness I, Thaysen JH: Acute renal failure due to tubular necrosis, immediate prognosis and complications. *Acta Med Scand* 176:103-19, Jul 64
- Lundstedt S  
Friedman I, Lundstedt S, Mering O von, Hinko EN: Systematic underestimation in reported mental hospital readmission rates. *Amer J Psychiat* 121:148-52, Aug 64
- Luntz MH  
Luntz MH, MacCallum FO: Treatment of herpes simplex keratitis with 5-iodo-2'-deoxyuridine. *Brit J Ophthalmol* 47:449-56, Aug 63
- Luongo F  
Innerfield I, Harvey R, Luongo F, Bluncoe E: Urine peptidase activity following single and multiple oral doses of streptokinase. *Proc Soc Exp Biol Med* 116:573-5, Jul 64
- Luse SA  
Coxe WS, Luse SA: Colloid cyst of third ventricle. An electron microscopic study. *J Neuropath Exp Neurol* 23:431-45, Jul 64
- Luse SA  
Smith KR Jr, Schwartz HG, Luse SA, Ogura JH: Nasal gliomas: a report of five cases with electron microscopy of one. *J Neurosurg* 20:968-82, Nov 63
- Lustrin I  
Reardon JJ, Lustrin I, Ogoniak J, Burrows BB, Sawyer PN: In vitro studies of direct current coagulation. *Surg Forum* 15:235-7, 1964
- Luton EF  
Luton EF: Methicillin tolerance after penicillin G anaphylaxis. *JAMA* 190:39-40, 5 Oct 64
- Lutwak-Mann C  
Shivers CA, Metz CB, Lutwak-Mann C: Some properties of pig follicular fluid. *J Reprod Fertil* 8:115-20, Aug 64
- Lussio AJ  
Lussio AJ: Electrophoretic patterns from x-irradiated blood serums. *Proc Soc Exp Biol Med* 116:769-74, Jul 64
- Lyman RB Jr  
Crissey JT, Gordy E, Ferguson JL, Lyman RB Jr: A new technique for the demonstration of skin temperature patterns. *J Invest Derm* 43:89-91, Aug 64
- Lyon AF  
DeGraff AC, Lyon AF: Diuretic therapy. II. Pharmacology of mercurial diuretics. *Amer Heart J* 68:131-3, Jul 64
- Lyons GW  
Lyons GW, Nicoloff DM, Chevalier P, Fox JF: Systemic hypotension by polybasic polymers. *Surg Forum* 15:95-7, 1964
- Lyons H  
Lyons H, Bard J: Gas chromatographic determination of lower alcohols in biologic samples. *Clin Chem* 10:429-32, May 64
- Lyster SC  
Duncan GW, Lyster SC, Hendrix JW, Clark JJ, Webster HD: Biologic effects of melengestrol acetate. *Fertil Steril* 15:418-32, Jul-Aug 64
- Lyster SC  
Duncan GW, Lyster SC, Campbell JA: Effect of 7-alpha-methylglutathione on biological activities on norethindrone. *Proc Soc Exp Biol Med* 116:800-2, Jul 64
- Lytle RI  
Lytle RI, Rosenbaum MJ, Miller LF, Rosenthal S: Detection of a prealbumin in sera of children following extensive burns. *J Lab Clin Med* 64:117-24, Jul 64
- M  
McAfee J  
Winkelman J, Rubinfeld S, McAfee J: The metabolism and excretion of Co57 tetraphenylporphyrinesulfonate in cancer patients. *J Nucl Med* 5:462-70, Jun 64
- Macalalag EV Jr  
Prout GR Jr, Macalalag EV Jr, Denis LJ: Alterations in serum lactate dehydrogenase and its isozymes in patients with prostatic carcinoma after hormonal therapy. *Surg Forum* 15:486-8, 1964
- McAllister D  
McAllister D: Diazepam in dysmenorrhea. *New Zeal Med J* 63:448-9, Jul 64
- McAlpine D  
McAlpine D: The benign form of multiple sclerosis: results of a long-term study. *Brit Med J* 5416:1029-32, 24 Oct 64
- Macaulay DB  
Frankland AW, Evans RG, Macaulay DB, Edwards JW: Hay fever treated by repository injections. *Practitioner* 193:71, Jul 64
- McAuley FD  
McAuley FD: Implantation irradiation of epithelioma of the eyelids and adjacent areas. *Brit J Ophthalmol* 47:257-65, May 63
- Macbeth RA  
Macbeth RA, Bekesi JG: Tissue glycoproteins in rats bearing Walker 256 carcinoma. *Cancer Res* 24:614-8, May 64
- Macbeth RA  
Macbeth RA, Bekesi JG: Effect of transplantable tumors on the serum mucoid fraction of rats' serum. *Surg Forum* 15:362-4, 1964
- McBride CM  
Healey JE Jr, McBride CM, Gallager HS: Is serosa-to-serosa approximation necessary in intestinal anastomosis? *Surg Forum* 15:297-9, 1964
- McBride CM  
McBride CM, Healey JE Jr, Butler JJ, White EC: Use of collagen cloth for repair of tissue defects. *Surg Forum* 15:70-1, 1964
- McCaldin RO  
Horton RJ, McCaldin RO: Observations on air pollution aspects of Irazú Volcano, Costa Rica. *Public Health Rep* 79:925-9, Oct 64
- McCall MS  
Rubini JR, Keller S, McCall MS: Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. *Cancer Res* 24:655-61, May 64
- MacCallum FO  
Luntz MH, MacCallum FO: Treatment of herpes simplex keratitis with 5-iodo-2'-deoxyuridine. *Brit J Ophthalmol* 47:449-56, Aug 63
- MacCallum FO  
Juel-Jensen BE, MacCallum FO: Treatment of herpes simplex lesions of the face with idoxuridine: results of a double-blind controlled trial. *Brit Med J* 5415:987-8, 17 Oct 64
- McCallum G  
Dungworth DL, Wilson MR, Gruchy CL, McCallum G: Malignant synovialoma in a cow. *J Path Bact* 88:83-7, Jul 64
- McCallum MF  
McFadyen IR, McCallum MF: The pyrogen test in obstetrics and gynaecology. *J Obstet Gynaec Brit Comm* 71:429-35, Jun 64
- McCance RA  
Pratt CW, McCance RA: Severe undernutrition in growing and adult animals. 12. The extremities of the long bones in pigs. *Brit J Nutr* 18:393-408, 1964
- McCance RA  
Davies JS, Widdowson EM, McCance RA: The intake of milk and the retention of its constituents while the newborn rabbit doubles its weight. *Brit J Nutr* 18:385-92, 1964
- McCarthy LE  
Rech RH, McCarthy LE, Borison HL: EEG after intracerebroventricular tetrodotoxin in cats. *Proc Soc Exp Biol Med* 116:434-7, Jun 64
- McCarthy RE  
McCarthy RE: Modification of the immune response of mice to skin homografts and heterografts by Ehrlich ascites carcinoma. *Cancer Res* 24:915-9, Jun 64
- McCartney CP  
McCartney CP: Pathological anatomy of acute hypertension of pregnancy. *Circulation* 30:Suppl 2:37-42, Aug 64
- McCash CR  
McCash CR: The open palm technique in Dupuytren's contracture. *Brit J Plast Surg* 17:271-80, Jul 64
- McChesney JA  
McChesney JA, Marquardt JF: Hypokalemic paralysis induced by amphotericin B. *JAMA* 189:1029-31, 28 Sep 64
- Macchi IA  
Kolthoff NJ, Macchi IA, Wyman LC: Microangiographic visualization of blood distribution in intact and regenerated rat adrenals before and during cold stress. *Angiology* 15:344-9, Aug 64
- McClay P  
Waitz JA, McClay P, Thompson PE: Effects of bithionol against Paragonimus kellicotti in rats. *Amer J Trop Med* 13:584-8, Jul 64
- McClennan JE  
Munth ED, DeFalco AT, Jacobson YG, Brettschneider L, McClennan JE: Importance of preventing renal vascular collapse during period of renal ischemia in kidney transplantation. *Surg Forum* 15:219-21, 1964
- McClendon JL  
Howell JB, Anderson DE, McClendon JL: The basal cell nevus syndrome. *JAMA* 190:274-7, 26 Oct 64
- McCollister RJ  
McCollister RJ, Gilbert WR Jr, Ashton DM, Wyngaarden JB: Pseudo-feedback inhibition of purine synthesis by 6-mercaptopurine ribonucleotide and other purine analogues. *J Biol Chem* 239:1580-3, May 64
- McConahay TP  
McConahay TP, Robinson S, Newton JL: d-aldosterone and sweat electrolytes. *J Appl Physiol* 19:575-9, Jul 64
- McConchie I  
McConchie I: Cardiac hydatid disease including a report on the successful removal of a complicated hydatid cyst, occupying the full thickness of the left ventricular myocardium, utilizing cardio-pulmonary by-pass. *Aust New Zeal J Surg* 34:18-23, Aug 64
- McConchie I  
McConchie I: Oesophago-bronchial fistula complicating hiatal hernia. *Aust New Zeal J Surg* 34:54-8, Aug 64
- McConn R  
Jones ES, Robinson JS, McConn R: Experience with the minicoll artificial kidney. *Lancet* 2:758-9, 3 Oct 64
- McCord C  
Starr A, Campbell TJ, Wood J, McCord C, Herr R, Menashe V: Transposition of the great vessels: recent experience with the Blalock-Hanlon procedure. *Amer J Surg* 108:198-203, Aug 64
- McCormack KR  
McCormack KR: Training in nuclear medicine for radiology residents. *Radiology* 83:22-5, Jul 64
- McCormack RM  
Barner HB, Breslau RC, Schwartz SI, McCormack RM: Cryotolerance of superoxygenated human skin explants. *Surg Forum* 15:477-8, 1964
- McCormick DB



# ABRIDGED INDEX MEDICUS

- Woods MN, McCormick DB: Effect of dietary phenylalanine on activity of phenylalanine hydroxylase from rat liver. *Proc Soc Exp Biol Med* 116:427-30, Jun 64
- McCormick WF  
McCormick WF, Beals JD: Severe epistaxis caused by ruptured aneurysm of the internal carotid artery. *J Neurosurg* 21:678-86, Aug 64
- McCoy EE  
McCoy EE, Anast CS, Naylor JJ: The excretion of oxalic acid following deoxypyridoxine and tryptophan administration in mongoloid and nonmongoloid subjects. *J Pediatr* 65:208-14, Aug 64
- McCrae CR  
Greep JM, Chambers DA, Skinner DB, McCrae CR, Nardi GL: Pancreatitis in the isolated perfused pancreas. *Surg Forum* 15:88-9, 1964
- McCredie D  
McCredie D: Counter-currents, growth and concentration of the urine. *Med J Aust* 2:332-5, 29 Aug 64
- McCubbin JW  
Skinner SL, McCubbin JW, Page IH: Control of renin secretion. *Circ Res* 15:64-76, Jul 64
- MacCulloch MJ  
Feldman MP, MacCulloch MJ: A systematic approach to the treatment of homosexuality by conditioned aversion: preliminary report. *Amer J Psychiat* 121:167-71, Aug 64
- McDermott WV Jr  
Hori M, Austen WG, McDermott WV Jr: Hepatic anoxia and stimulation of hepatic nerves on renal hemodynamics and function. *Surg Forum* 15:108-9, 1964
- McDermott WV Jr  
Brown H, Patel J, Barsamian EM, Collins SC, McDermott WV Jr: Cold preservation of liver for homotransplantation. *Surg Forum* 15:215-7, 1964
- McDiarmid A  
McDiarmid A: Mycobacterial disease in man and animals. *Tuberculosis in wild birds*. *Proc Roy Soc Med* 57:480-1, Jun 64
- McDonald AH  
Mackenzie GJ, Flenley DC, Taylor SH, McDonald AH, Stanton HP, Donald KW: Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. *Lancet* 2:825-32, 17 Oct 64
- McDonald DF  
Wax SH, al-Hussaini M, McDonald DF: Effect of angiotensin on the iodine 131 sodium O-iodohippurate renogram in hypertensive patients. *Surg Forum* 15:498-9, 1964
- McDonald F  
Baldwin M, Ommaya AK, Farrier R, MacDonald F: Mesial cerebral incision. *J Neurosurg* 20:679-86, Aug 63
- McDonald F  
Baldwin M, Farrier R, MacDonald F, Ommaya AK: Cerebral deposition of drugs at low temperatures. *J Neurosurg* 20:637-46, Aug 63
- McDonald HC Jr  
Levy LJ, Lipscomb CP, McDonald HC Jr, Davis CP: Fusions of the lumbar spine: comparative results. *Southern Med J* 57:1326-32, Nov 64
- McDonald I  
Demetriou JA, Crowley LG, Kushinsky S, Donovan AJ, Kotin P, MacDonald I: Radioactive estrogens in tissues of postmenopausal women with breast neoplasms. *Cancer Res* 24:926-34, Jun 64
- McDonald ID  
McDonald ID, Harris DF: Hypertension and life assurance. *Practitioner* 193:57-60, Jul 64
- Macdonald JB  
Socransky SS, Loesche WJ, Hubersak C, Macdonald JB: Dependency of *Treponema microdentium* on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. *J Bact* 88:200-9, Jul 64
- McDonald JC  
McDonald JC, Milgrom F, Witebsky E: Antiglobulin consumption test in rabbit homotransplantation. *JAMA* 190:122-6, 12 Oct 64
- McDonald S  
Bernhard WF, Somers LA, Krick H, Abe T, Cunanan O, McDonald S: Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. *Surg Forum* 15:197-8, 1964
- Macdonald WF  
Bray EA, Macdonald WF, Woodard GH, Leonard F: Follow-up notes on articles previously published in the *Journal*. *Cineplasty-ten years later*. *J Bone Joint Surg [Amer]* 46:1137-8, Jul 64
- McDonough JJ  
Peters JJ, Vonderahe AR, McDonough JJ: Electrical changes in brain and eye of developing chick during hyperthermia. *Amer J Physiol* 207:260-4, Jul 64
- MacDougall IP  
MacDougall IP: The cancer risk in ulcerative colitis. *Lancet* 2:655-8, 20 Sep 64
- McDowell F  
Kutt H, Schick RW, Rennie LE, McDowell F: The quantities of sodium diazotize in cerebral vessels during arteriography. *J Neurosurg* 20:515-9, Jun 63
- McEwan ED  
McEwan ED: Effects of early discharge after hospital confinement. *Lancet* 2:744-5, 3 Oct 64
- McFadyen IR  
McFadyen IR, McCallum MF: The pyrogen test in obstetrics and gynaecology. *J Obstet Gynaec Brit Comm* 71:429-35, Jun 64
- McFarland CR  
Karakawa WW, Borman EK, McFarland CR: Typing of group A streptococci by immunofluorescence. I. Preparation and properties of type I fluorescein-labeled antibody. *J Bact* 87:1377-82, Jun 64
- McFarland W  
Libre EP, McFarland W: Effect of ethionine-induced pancreatic damage on intestinal enzyme activity of the rat. *Proc Soc Exp Biol Med* 116:452-4, Jun 64
- McFarlane AS  
McFarlane AS, Todd D, Cromwell S: Fibrinogen catabolism in humans. *Clin Sci* 28:415-20, Jun 64
- McFee AF  
McFee AF, Kennelly JJ: Evaluation of a testicular biopsy technique in the rabbit. *J Reprod Fertil* 8:141-4, Aug 64
- McFee AF  
McFee AF: Effects of Ce144 administered to pregnant rats. *Proc Soc Exp Biol Med* 116:712-5, Jul 64
- Macgaffey K  
Jick H, Sweet RH, Smith W, Macgaffey K, Snyder JG, Moore EW: The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. *Clin Sci* 26:397-403, Jun 64
- McGaughy HS Jr  
Harbert GM Jr, Scoggin WA, McGaughy HS Jr, Thornton WN Jr: Placental hemodynamics in an artificial system. *Surg Forum* 15:388-9, 1964
- McGill DB  
Schoenfeld LJ, McGill DB, Foulk WT: Studies of sulfobromophthalein sodium (BSP) metabolism in man. 3. Demonstration of a transport maximum (Tm) for biliary excretion of BSP. *J Clin Invest* 43:1424-32, Jul 64
- McGinnis KD  
McGinnis KD, Eisenbrey AB: Diagnostic criteria for distinguishing cervical disk herniation from spondylitis in the neural compression syndrome. *Radiology* 83:67-73, Jul 64
- McGirr EM  
Thomson JA, Boyle JA, McGirr EM, Tilston RG: Clinical trial of modified gamma camera for thyroid scanning. *Lancet* 2:714-6, 3 Oct 64
- McGrath RG  
Romsdahl MM, Valaitis J, McGrath RG, McGrew EA: Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. *Surg Forum* 15:346-8, 1964
- McGregor M  
Newhouse MT, Becklake MR, Macklem PT, McGregor M: Effect of alterations in end-tidal CO2 tension on flow resistance. *J Appl Physiol* 19:745-9, Jul 64
- McGrew EA  
Romsdahl MM, Valaitis J, McGrath RG, McGrew EA: Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. *Surg Forum* 15:346-8, 1964
- McGuire JS  
Bamshad J, Lerner AB, McGuire JS: Catechol O-methyl transferase in skin. *J Invest Derm* 43:111-3, Aug 64
- McGuire WL  
Levy RP, Marshall JS, McGuire WL: The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine. *Metabolism* 13:557-61, Jun 64
- Machanic PB  
Robinson DS, Machanic PB: Hemangioendothelioma of the heart. *JAMA* 189:1026-8, 28 Sep 64
- Maciera-Coelho A  
Mellman WJ, Oski FA, Tedesco TA, Maciera-Coelho A, Harris H: Leucocyte enzymes in Down's syndrome. *Lancet* 2:674-5, 20 Sep 64
- McIlroy MB  
Naimark A, Wasserman K, McIlroy MB: Continuous measurement of ventilatory exchange ratio during exercise. *J Appl Physiol* 19:644-52, Jul 64
- McIntire MS  
Angle CR, McIntire MS: Lead poisoning during pregnancy. Fetal tolerance of calcium disodium edetate. *Amer J Dis Child* 108:436-9, Oct 64
- McIntosh HD  
McIntosh HD, Whaley RE, Barry WF Jr: The role of cinefluorography in clinical cardiology: present and future. *Amer Heart J* 68:12-8, Jul 64
- McIntosh HD  
Kong Y, Heyman A, Entman ML, McIntosh HD: Glossopharyngeal neuralgia associated with bradycardia, syncope, and seizures. *Circulation* 30:109-13, Jul 64
- Mack MH  
Mack MH: Y-V operation for epicanthus. *Plast Reconstr Surg* 34:182-5, Aug 64
- Mackness GB  
Mackness GB: The immunological basis of acquired cellular resistance. *J Exp Med* 120:105-20, 1 Jul 64
- Mackness GB  
Miki K, Mackness GB: The passive transfer of acquired resistance to *Listeria monocytogenes*. *J Exp Med* 120:93-103, 1 Jul 64
- McKay DG  
McKay DG: Clinical significance of the pathology of toxemia of pregnancy. *Circulation* 30:Suppl 2:66-75, Aug 64
- McKay DG  
Margaretten W, Zunker HO, McKay DG: Production of the generalized Schwartzman reaction in pregnant rats by intravenous infusion of thrombin. *Lab Invest* 13:552-9, Jun 64
- McKay E  
McKay E, Kilpatrick SJ: Maternal and infant plasma urea at delivery. *J Obstet Gynaec Brit Comm* 71:449-52, Jun 64
- MacKeith R  
MacKeith R: Child care in general practice. The paediatric consultation. *Brit Med J* 5418:1179-81, 7 Nov 64
- McKenna CH  
Walstein SS, Dublin A, Newcomer A, McKenna CH: Determination of exogenous galactose in blood using "specially purified" glucose oxidase. *Clin Chem* 10:381-90, May 64
- McKenna JM  
McKenna JM, Sanderson RP, Blakemore WS: Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. *Cancer Res* 24:754-62, May 64
- Mackenzie AD  
Mackenzie AD: A comparison of IDU solution, IDU ointment, and carbolization in the treatment of dendritic corneal ulcer. *Brit J Ophthalmol* 48:274-6, May 64
- Mackenzie GJ  
Mackenzie GJ, Pascual S: Paroxysmal ventricular tachycardia. *Brit Heart J* 26:441-51, Jul 64
- Mackenzie GJ  
Williams AW, Mackenzie GJ, Davies SH, Wade JD: The healing of right ventricular incisions. *J Path Bact* 88:197-201, Jul 64
- Mackenzie GJ  
Mackenzie GJ, Flenley DC, Taylor SH, McDonald AH, Stanton HP, Donald KW: Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. *Lancet* 2:825-32, 17 Oct 64
- Mackenzie RB  
Wiebenga NH, Shelokov A, Gibbs CJ Jr, Mackenzie RB: Epidemic hemorrhagic fever in Bolivia. II. Demonstration of complement-fixing antibody in patients' sera with junin virus antigen. *Amer J Trop Med* 13:626-8, Jul 64
- Mackenzie RB  
Mackenzie RB, Beye HK, Valverde L, Garrón H: Epidemic hemorrhagic fever in Bolivia. I. A preliminary report of the epidemiologic and clinical findings in a new epidemic area in South America. *Amer J Trop Med* 13:620-5, Jul 64
- Mackenzie VG  
Mackenzie VG: The extent of human exposure to air pollution. *Arch Environ Health (Chicago)* 9:596-9, Nov 64
- Mackey EA  
Mackey EA, Spiro D, Wiener J: A study of chromatolysis in dorsal root ganglia at the cellular level. *J Neuropath Exp Neurol* 23:508-26, Jul 64
- McKibbin B  
McKibbin B: Destruction of malignant cells in peritoneal cavity. Experimental use of a chemotherapeutic agent. *Arch Surg (Chicago)* 89:691-4, Oct 64
- McKinney B  
Dodge OG, McKinney B: Causes of perinatal death in Uganda Africans, with special reference to congenital malformations. *J Pediatr* 65:267-9, Aug 64
- McKinney SE  
Peck HM, Woodhour AF, Metzgar DP, McKinney SE, Hilleman MR: New metabolizable immunologic adjuvant for human use. 2. Short-term animal toxicity tests. *Proc Soc Exp Biol Med* 118:523-30, Jun 64
- Macklem PT  
Newhouse MT, Becklake MR, Macklem PT, McGregor M: Effect of alterations in end-tidal CO2 tension on flow resistance. *J Appl Physiol* 19:745-9, Jul 64
- McKneally MF  
McKneally MF, Kelly WD, Resnick J, Martinez C: Induction of tolerance with disrupted antigen, imuran, and sublethal irradiation. *Surg Forum* 15:131-2, 1964
- McLain HH  
Gale GR, Kendall SM, McLain HH, DuBois S: Effect of hydroxyurea on *Pseudomonas aeruginosa*. *Cancer Res* 24:1012-20, Jul 64
- McLaren DS  
Johnstone WW, McLaren DS: Refraction anomalies in Tanganyikan children. *Brit J Ophthalmol* 47:95-108, Feb 63
- McLaren GA  
McLaren GA, Asplund RO, Crow DG, Tsai LI, Porterfield ID: Influence of dried -grass silage and silage fractions on the basal metabolic rate of rats. *J Nutr* 83:218-24, Jul 64
- McLaughlin JS  
McLaughlin JS, Buckley MJ, Berry WB, Morrow AG: Pulmonary vascular responses to hypoxia and their modification by pharmacologic sympathectomy. *Surg Forum* 15:185-6, 1964
- McLaughlin JS  
Buckley MJ, McLaughlin JS, Fort L 3d, Saigusa M, Morrow DH: Effects of anesthetic agents on pulmonary vascular resistance during hypoxia. *Surg Forum* 15:183-4, 1964
- McLaurin RL  
Ford LE, McLaurin RL: Mechanisms of extradural hematomas. *J Neurosurg* 20:760-9, Sep 63
- McLay WD  
Guest KE, McLay WD: Treatment of muscular dystrophy with a nucleotides-nucleosides combination. *Brit J Clin Pract* 18:395-400, Jul 64
- McLean JM  
Mestre C, Galin MA, McLean JM: Evaluation of sustained-release acetazolamide. *Brit J Ophthalmol* 47:31-5, Jan 63
- McLean JT  
Munro HN, McLean JT, Hird HJ: Effect of protein intake on the ribonucleic acid of liver cell sap. *J Nutr* 83:186-92, Jul 64
- McLean LD  
McLean LD: The diagnosis and treatment of arterial injuries of the upper extremity. *Surg Clin N Amer* 44:1037-47, Aug 64
- McLean LD  
Bain B, McLean LD, Lowenstein L, Briers S: In vitro test to detect the degree of antigenic difference between individuals. *Surg Forum* 15:151-2, 1964
- McLenachan J  
McLenachan J: Quinine amblyopia treated by stellate ganglion block. *Brit J Ophthalmol* 47:62-3, Jan 63
- Macleod P  
Macleod P, Brown JP: Phospholipids of *Streptococcus lactis*. *J Bact* 87:1531, Jun 64
- McMahon MC  
Wilder RJ, Jude JR, Kouwenhoven WB, McMahon MC: Of 153 attempted-cardiopulmonary resuscitations by trained ambulance personnel-no fatal injuries were produced. *JAMA* 190:531-4, 9 Nov 64
- McMartin A  
McMartin A: The contribution of sugar-cane to our food supplies. *S Afr Med J* 38:659-61, 22 Aug 64
- McMartin A



# ABRIDGED INDEX MEDICUS

- McMartin A: Agricultural systems and food patterns. *S Afr Med J* 38:625-8, 22 Aug 64
- McMaster W  
Wright HK, McMaster W, Gann DS, Drucker WR: Correction of the renal concentrating defect in hemorrhagic shock. *Surg Forum* 15:18-20, 1964
- McMeel JW  
Okamura ID, Schepens CL, Brockhurst RJ, Regan CD, McMeel JW: The scleral buckling procedures. VII. Silicone implants in reoperations. *Arch Ophthalmol (Chicago)* 72:297-308, Sep 64
- McMichael J  
McMichael J: Anticoagulants: another view. *Brit Med J* 5415:1007, 17 Oct 64
- McMillan GC  
Weigensberg BI, McMillan GC: Serum and aortic lipids in rabbits fed cholesterol and linoleic acid stereoisomers. *J Nutr* 83:314-24, Aug 64
- McMillan IK  
Melrose DG, Bental HH, McMillan IK, Flege JB, Alvarez Diaz FR, Nahas RA, Fantley R, Carson J: The evolution of a mitral-valve prosthesis. *Lancet* 2:623-4, 19 Sep 64
- Macmorine HG  
Macmorine HG, Shimada FT, Kamocki B, Kunigelis S, Parisius W: Separation of SV40 from poliovirus by extraction with 1-butanol. *Proc Soc Exp Biol Med* 116:310-3, Jun 64
- McMurtry JG  
Raynor RB, McMurtry JG: Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. *J Neurosurg* 20:94-6, Feb 63
- McNair DM  
McNair DM, Lorr M, Hemingway P: Further evidence for syndrome-based psychotic types. *Arch Gen Psychiat (Chicago)* 11:368-76, Oct 64
- McNeill HW  
Martin DS, Hayworth P, Fugmann RA, English R, McNeill HW: Combination therapy with cyclophosphamide and zymosan on a spontaneous mammary cancer in mice. *Cancer Res* 24:652-4, May 64
- Macomber PB  
Sadun EH, Bruce JJ, Macomber PB: Parasitologic, pathologic and serologic reactions to *Schistosoma mansoni* in monkeys exposed to irradiated cercariae. *Amer J Trop Med* 13:548-57, Jul 64
- McPherson HT  
Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI: Clinical, morphological and biochemical studies on a malignant testicular tumor. *J Clin Endocr* 24:528-42, Jun 64
- McPherson JC  
Tidwell HC, McPherson JC, Moore WT, Pope JL, Freeman A: Lipolytic activity in the blood after lipase ingestion. *Proc Soc Exp Biol Med* 116:720-3, Jul 64
- MacPherson RK  
Wyndham CH, Strydom NB, Munro A, MacPherson RK, Metz B, Schaff G, Schieber J: Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. *J Appl Physiol* 19:607-12, Jul 64
- McQueen JD  
McQueen JD, Mego JL: An experimental study of tissue-concentration ratios of As74 arsenate and labeled organic conjugates. *J Neurosurg* 21:641-6, Aug 64
- MacRae DJ  
MacRae DJ, Irani JB, Bowler RG, Longhurst PL: A comparison between vaginal cytology and urinary hormone excretion during pregnancy. *J Obstet Gynaec Brit Comm* 71:586-98, Aug 64
- Macri FJ  
Wong VG, Macri FJ: Vasculature of the cat eye. *Arch Ophthalmol (Chicago)* 72:351-8, Sep 64
- McShane WK  
Scriabine A, Booher KD, McShane WK, Constantine JW, Mikniss S: Some cardiovascular actions of benzquinamide. *J Pharmacol Exp Ther* 144:131-7, Apr 64
- McTigue JW  
King JH Jr, McTigue JW: The reformation of the anterior chamber with polyvinylpyrrolidone. *Southern Med J* 57:1369-72, Nov 64
- McVeety HJ  
Messer HD, Strenger L, McVeety HJ: Use of plastic adhesive for reinforcement of a ruptured intracranial aneurysm. *J Neurosurg* 20:360-2, Apr 63
- Madden RE  
Madden RE, Karpas CM: The role of host connective tissue in controlling local tumor invasion. *Surg Forum* 15:340-2, 1964
- Madden SC  
Madden SC, Moritz A, Dixon FJ, Bennett IL: Panel discussion. The need for staff and facilities to develop the research potential in pathology. *Lab Invest* 13:683-93, Jun 64
- Maddocks I  
Jelliffe DB, Maddocks I: Notes on ecologic malnutrition in the New Guinea Highlands. *Clin Pediat (Phila)* 3:432-8, Jul 64
- Madhavan TV  
Jagannathan SN, Madhavan TV, Gopalan C: Effect of adrenaline on aortic structure and serum cholesterol in *Macaca radiata*. *J Atheroscler Res* 4:335-45, Jul-Aug 64
- Madoff S  
Dienes L, Bandur BM, Madoff S: Development of L-type growth in *Neisseria gonorrhoeae* cultures. *J Bact* 87:1471-6, Jun 64
- Madsen J  
Madsen J, Abraham S, Chaikoff IL: The conversion of glutamate carbon to fatty acid carbon via citrate. I. The influence of glucose in lactating rat mammary gland slices. *J Biol Chem* 239:1305-9, May 64
- Madsen PO  
Madsen PO, Burns RO: Pyelo-ileo-cystostomy in pitressin-resistant diabetes insipidus. *J Urol* 92:68-71, Jul 64
- Maeder E  
Maeder E: Untersuchungen mit natürlichem und synthetischem ACTH bei ACTH-Allergikern. Klinischer Teil. *Int Arch Allerg* 24:Suppl:27-8, 1964 (Ger)
- Maeder E  
Schwarz-Speck M, Maeder E: Immunologische Untersuchungen mit natürlichem und synthetischem ACTH bei ACTH-Allergikern. *Int Arch Allerg* 24:Suppl:29-47, 1964 (Ger)
- Maier DM  
Gordon EE, Maier DM: Effect of ionic environment on metabolism and structure of rat kidney slices. *Amer J Physiol* 207:71-6, Jul 64
- Maes H  
Amery A, Vermylen J, Maes H, Verstraete M: Pitfalls in the thrombolytic treatment of venous occlusion. *Vasc Dis* 1:89-93, Mar 64
- Magarey FR  
Roser BJ, Magarey FR: Spontaneous "atheroma" in sheep. *J Path Bact* 88:73-8, Jul 64
- Magee JH  
Magee JH, Hume DM, Kauffman HM, Bower JD: Massive diuresis following renal homotransplantation. *Proc Soc Exp Biol Med* 116:480-3, Jun 64
- Magell J  
Vernick JJ, Magell J, Hoppe ET: Alkylating agents and iodophor compounds for the prevention of local recurrence of cancer. *Surg Forum* 15:336-8, 1964
- Magora F  
Kornbluth W, Aladjemoff L, Magora F, Ben Dor D: Intraocular pressure in children measured under general anesthesia. *Arch Ophthalmol (Chicago)* 72:489-90, Oct 64
- Mahaley MS Jr  
Mahaley MS Jr, Smith JL, Odom GL: Ophthalmic arterial pressure and flow during extracorporeal perfusion of carotid of dogs and monkeys. *J Neurosurg* 20:1080-4, Dec 63
- Mahaley MS Jr  
Tindall GT, Odom GL, Dillon ML, Cupp HB Jr, Mahaley MS Jr, Greenfield JC Jr: Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. *J Neurosurg* 20:985-94, Nov 63
- Maher MJ  
Maher MJ: Metabolic response of isolated lizard tissues to thyroxine administered in vivo. *Endocrinology* 74:994-5, Jun 64
- Maher RM  
Maher RM: The medical treatment of spasticity. *Proc Roy Soc Med* 57:720-3, Aug 64
- Mahler I  
Mahler I, Cahoon M, Marmur J: Bacillus subtilis deoxyribonucleic acid transfer in PBS2 transduction. *J Bact* 87:1423-8, Jun 64
- Mahrn M  
Mahrn M, Ghaleb HA: The physiology of the human round ligament. *J Obstet Gynaec Brit Comm* 71:374-8, Jun 64
- Maier C  
Kuenzle C, Sommerhalder M, Maier C, Rüttner JR: Die vier Serumalbumin-Fraktionien bei der cholestatischen Hepatose. *Deutsch Med Wschr* 89:1475-7, 31 Jul 64 (Ger)
- Mainetti JM  
Estiá M, Mainetti JM, Vinal C: Takayasu's arteritis: aortic carotid bypass. *Vasc Dis* 1:96-108, Mar 64
- Mainwaring D  
Mainwaring D, Keidan S: Peanut flour in haemophilia. *Lancet* 2:647, 19 Sep 64
- Maitra U  
Maitra U, Dekker EE: Purification and properties of rat liver 2-keto-4-hydroxyglutarate aldolase. *J Biol Chem* 239:1485-91, May 64
- Majewska A  
Berci G, Stevenson JK, Nyhus LM, Harkins HN, Majewska A, Smuckler E: The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. *Amer J Surg* 108:250-6, Aug 64
- Majima H  
Shonk CE, Koven BJ, Majima H, Boxer GE: Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. *Cancer Res* 24:722-31, May 64
- Majno G  
Majno G: The Ph.D. degree in pathology without the M.D. degree. *Lab Invest* 15:678-82, Jun 64
- Makin HL  
Barratt TM, Edwards RW, Makin HL, Clayton BE: Varieties of adrenal hyperplasia in children. *Proc Roy Soc Med* 57:527-9, Jun 64
- Makman MH  
Makman MH, Sutherland EW Jr: Use of liver adenyl cyclase for assay of glucagon in human gastro-intestinal tract and pancreas. *Endocrinology* 75:127-34, Jul 64
- Makous N  
Makous N, Hong DC, Taylor EJ Jr: Hemodynamics of the Master two-step test in hypertension and healed myocardial infarction. *Circulation* 30:77-85, Jul 64
- Malamud N  
Batzdorf U, Malamud N: The problem of multicentric gliomas. *J Neurosurg* 20:122-36, Feb 63
- Malamud N  
Malamud N, Itabashi HH, Castor MESSINGER HB: An etiologic and diagnostic study of cerebral palsy. A preliminary report. *J Pediat* 65:270-93, Aug 64
- Malik SR  
Agarwal LP, Malik SR, Mohan M, Khosla PK: Mycotic corneal ulcers. *Brit J Ophthalmol* 47:109-15, Feb 63
- Malik SR  
Agarwal LP, Malik SR, Mohan M, Karwal PR: Retinitis pigmentosa. A new therapeutic approach. *Brit J Ophthalmol* 47:144-8, Mar 63
- Malik SR  
Malik SR, Mohan H, Sood GC: Blaschovitz operation in a case of Marcus Gunn phenomenon. *Brit J Ophthalmol* 48:173-5, Mar 64
- Malik SR  
Agarwal LP, Mohan M, Malik SR, Sood GC: Intralamellar heterografts of frog cornea into rabbit cornea. *Brit J Ophthalmol* 47:14-30, Jan 63
- Malkiel S  
Malkiel S, Hargis BJ: Anaphylactic reactions in mice induced by Bordetella pertussis lipopolysaccharide. *J Allerg* 35:306-12, Jul-Aug 64
- Mallams JT  
Urschel HC, Finney JW, Balla GA, Mallams JT: Regional oxygenation of the ischemic myocardium with hydrogen peroxide. *Surg Forum* 15:273-4, 1964
- Malm JR  
Gerst PH, Fleming WH, Malm JR: Relationship between acidosis and ventricular fibrillation. *Surg Forum* 15:242-3, 1964
- Malm OJ  
Horn L, Malm OJ: Vascular manifestations of extensive thermal skin injury in rat mesentery. *Amer J Physiol* 207:137-43, Jul 64
- Malmgren RA  
Chu EW, Malmgren RA: Effect of orotic acid on the metastasis of mammary tumors in mice. *Cancer Res* 24:671-3, May 64
- Maloney ED  
Kaufman HE, Capella JA, Maloney ED, Robbins JE, Cooper GM, Uotila MH: Corneal toxicity of cytosine arabinoside. *Arch Ophthalmol (Chicago)* 72:535-40, Oct 64
- Maloney JE  
Read DJ, Maloney JE, Fowler KT: Reproducibility of transient response to CO2 inhalation in man. *J Appl Physiol* 19:750-4, Jul 64
- Malt RA  
Malt RA, Scott RB: Influence of thyroxine on the ribosomal synthesis of collagen. *Surg Forum* 15:54-5, 1964
- Mamo H  
Mamo H, Laget P: Le tonus musculaire. Aspects physiologiques et physiopathologiques. I. Le physiologiste devant le tonus musculaire. *Presse Med* 72:1245-50, contd, 12 Sep 64 (Fr)
- Mamo H  
Mamo H, Laget P: Le tonus musculaire. Aspects physiologiques et physiopathologiques. I. Le physiologiste devant le tonus musculaire. *Presse Med* 72:1207-12, contd, 29 Aug 64 (Fr)
- Mamo H  
Mamo H, Laget P: Le tonus musculaire. Aspects physiologiques et physiopathologiques. II. Le neurologue devant le tonus musculaire. *Presse Med* 72:2213-8, concl, 19 Sep 64 (Fr)
- Manale B  
Isa F, Atik M, Mardis H, Marrero R, Manale B: Direct and indirect measurement of renal blood flow in the pathophysiology of acute renal failure. *Surg Forum* 15:492-4, 1964
- Mandel ID  
Wotman S, Mandel ID, Khotim S, Thompson RH Jr, Kutscher AH, Zegarelli EV, Denning CM: Salt taste thresholds and cystic fibrosis. *Amer J Dis Child* 108:372-4, Oct 64
- Mandel M  
Colwell RR, Mandel M: Adansonian analysis and deoxyribonucleic acid base composition of some gram-negative bacteria. *J Bact* 87:1412-22, Jun 64
- Mandell HB  
Kwak HB, Mandell HB, Wilson DR: Beneficial effect of low molecular weight dextran on acute ischemic limb. *Surg Forum* 15:230-1, 1964
- Mandl R  
Black MM, Ansley HR, Mandl R: On cell specificity of histones. *Arch Pathol (Chicago)* 78:350-68, Oct 64
- Mangiaracine AB  
Allen HF, Mangiaracine AB: Bacterial endophthalmitis after cataract extraction. A study of 22 infections in 20,000 operations. *Arch Ophthalmol (Chicago)* 72:454-62, Oct 64
- Mangili F  
Mangiaracine R, Cerretelli P, Mangili F: Balance and kinetics of anaerobic energy release during strenuous exercise in man. *J Appl Physiol* 19:623-8, Jul 64
- Manheim A  
Smith RM Jr, Young JA, Manheim A: The SYM tourniquet. *Anesthesiology* 25:573-4, Jul-Aug 64
- Mani KS  
Mani KS, Townsend HR: The EEG in benign intracranial hypertension. *Electroenceph Clin Neurophysiol* 18:604-10, Jun 64
- Manlapaz JS  
Socille WB, Manlapaz JS, Otis RD, Cabieses F: Intraspinal enterogenous cyst. *J Neurosurg* 20:704-6, Aug 63
- Manley GW  
Manley GW, Roberts CF: Dissecting aneurysm in a ram. *J Path Bact* 88:320-2, Jul 64
- Mann FD  
Mann FD, Travaini DD: Experimental postoperative cerebral edema. *J Neurosurg* 20:687-91, Aug 63
- Mann GV  
Mann GV, Shaffer RD, Anderson RS, Sandstead HH: Cardiovascular disease in the Masai. *J Atheroscler Res* 4:289-312, Jul-Aug 64
- Mann I  
Mann I: Geographic ophthalmology. A review of the possibilities. *Arch Ophthalmol (Chicago)* 72:632-6, Nov 64
- Mann KJ  
Abramson JH, Mann KJ, Nizan A, Goldberg E: Epidemiology of disability after work injuries. *Arch Environ Health (Chicago)* 9:572-80, Nov 64
- Mann KJ  
Mann KJ, Abramson JH, Nizan A, Goldberg E: Epidemiology of disabling work injuries in Israel. *Arch Environ Health (Chicago)* 9:505-13, Oct 64
- Mannick JA  
Mannick JA, Brooks JW, Boshier LH Jr, Hume DM: Ruptured aneurysms of the abdominal aorta: a reappraisal. *New Eng J Med* 271:915-20, 29 Oct 64



# ABRIDGED INDEX MEDICUS

- Mannick JA**  
**Mannick JA, Southworth JG:** Subcellular transplantation antigen derived from dog spleen cells cultivated in vitro.  
*Proc Soc Exp Biol Med* 116:445-8, Jun 64
- Mannick JA**  
**Jackson BT, Mannick JA:** Blood flow patterns in first and second set renal homografts.  
*Surg Forum* 15:171-2, 1964
- Manniello JM**  
**Heymann H, Manniello JM, Zelemnick LD, Barkulis SS:** Structure of streptococcal cell walls. II. Group A blase and group A triose from C-polysaccharide.  
*J Biol Chem* 239:1656-63, May 64
- Manning RT**  
**Reed WA, Manning RT, Hopkins LT Jr:** Effects of hypoxia and hyperthermia on hepatic tissue of the dog.  
*Amer J Physiol* 206:1304-8, Jun 64
- Mansfield PB**  
**Mansfield PB, Cole A:** Implantable pacemaker for infants and children.  
*Surg Forum* 15:246-7, 1964
- Manson AD**  
**Manson AD, Williams HB, Woolhouse FM:** Correlation of edema formation, hemoconcentration, and mortality in experimental burns treated with hypothermia.  
*Surg Forum* 15:469-71, 1964
- Manson IW**  
**Manson IW:** Post-partum eclampsia complicated by the anterior tibial syndrome.  
*Brit Med J* 5417:1117-8, 31 Oct 64
- Manson N**  
**Manson N:** The "string syndrome" seen as a complication of Arruga's cerclage suture.  
*Brit J Ophthalmol* 48:70-4, Feb 64
- Mantel N**  
**Epstein SS, Small M, Falk HL, Mantel N:** On the association between photodynamic and carcinogenic activities in polycyclic compounds.  
*Cancer Res* 24:855-62, Jun 64
- Marasso FJ**  
**Jacobs ML, Marasso FJ:** Lymphomas: relationship between dosage and recurrence.  
*Radiology* 83:106-7, Jul 64
- Marchloro TL**  
**Sexton AW, Marchloro TL, Waddell WR, Starsl TE:** Liver desglucogenation after portacaval transposition.  
*Surg Forum* 15:120-2, 1964
- Marcliese NA**  
**Marcliese NA, Valsecchi RM, Figueiras HD, Camberos HR, Varela JE:** Normal blood volumes in the horse.  
*Amer J Physiol* 207:223-7, Jul 64
- Marcks KM**  
**Marcks KM, Trevaskis AE, Berg EM, Puchner G:** Nasal defects associated with cleft lip deformity.  
*Plast Reconstr Surg* 34:176-81, Aug 64
- Marcus R**  
**Watt J, Marcus R:** The pathology of diverticulosis of the antimesenteric intertaenial area of the pelvic colon.  
*J Path Bact* 88:97-105, Jul 64
- Marcus SL**  
**Marcus SL:** Protein components of oviduct fluid in the primate.  
*Surg Forum* 15:381-3, 1964
- Mardis H**  
**Isla F, Atik M, Mardis H, Marrero R, Manale B:** Direct and indirect measurement of renal blood flow in the pathophysiology of acute renal failure.  
*Surg Forum* 15:492-4, 1964
- Maree PJ**  
**Maree PJ:** Die produksie en verbruik van suiwelprodukte in Suid-Afrika.  
*S Afr Med J* 38:640-2, 22 Aug 64 (Af)
- Mareš P**  
**Hrbek A, Mareš P:** Cortical evoked responses to visual stimulation in full-term and premature newborns.  
*Electroenceph Clin Neurophysiol* 18:575-81, Jun 64
- Maret L**  
**Mikol C, Maret L:** Les réactions d'agglutination de la polyarthrite rhumatoïde.  
*Presse Med* 72:2169-70, 12 Sep 64 (Fr)
- Margairas A**  
**Vic-Dupont, Margairas A, Cartier F, Assan R:** Aspects cliniques et thérapeutiques actuels des méningocoques. (A propos de 20 cas observés en 1963)  
*Presse Med* 72:2313-6, 26 Sep 64 (Fr)
- Margaretten W**  
**Margaretten W, Zunker HO, McKay DG:** Production of the generalized Schwartzman reaction in pregnant rats by intravenous infusion of thrombin.  
*Lab Invest* 13:552-9, Jun 64
- Margaria R**  
**Margaria R, Cerretelli P, Mangili F:** Balance and kinetics of anaerobic energy release during strenuous exercise in man.  
*J Appl Physiol* 19:623-8, Jul 64
- Margherita SS**  
**Margherita SS, Hungate RE, Storz H:** Variation in rumen Butyrylvibrio strains.  
*J Bact* 87:1304-8, Jun 64
- Margileth AM**  
**Margileth AM, Fox LM:** Coarctation of the aorta. Diagnostic and surgical problems.  
*Arch Surg (Chicago)* 89:741-51, Oct 64
- Margraf H**  
**Goldfarb WB, Margraf H:** Cyanide production by *Pseudomonas aeruginosa*.  
*Surg Forum* 15:467-9, 1964
- Margreth A**  
**Margreth A, Lotlikar PD, Miller EC, Miller JA:** The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats.  
*Cancer Res* 24:920-5, Jun 64
- Marguth F**  
**Marguth F:** Differentialdiagnostik der Geschwülste im Bereich des Türkensattels.  
*Deutsch Med Wschr* 89:1838-45, 25 Sep 64 (Ger)
- Mari S**  
**Gershberg H, Neumann LL, Mari S:** Studies on vitamin D-resistant rickets; effects of human growth hormone.  
*Metabolism* 13:636-49, Jul 64
- Marinesco G**  
**Marinesco G:** Sur une forme peu connue du charbon cutané: la forme bulleuse ou pluribulleuse.  
*Presse Med* 72:2209-10, 19 Sep 64 (Fr)
- Mark JB**  
**Smith PW, Mark JB, Carrington CB:** Use of the cervical approach in the treatment of carcinosarcoma of the upper esophagus. Report of a case.  
*Dis Chest* 46:91-4, Jul 64
- Mark JB**  
**Hockman RP, Mark JB:** Effect of bronchial arterial infusion of mechlorethamine on pulmonary structure in the experimental animal.  
*Surg Forum* 15:194-6, 1964
- Markesbery W**  
**Markesbery W, Wilson CB:** Emulsified pantopaque for cerebral ventriculography.  
*Surg Forum* 15:419-21, 1964
- Markovs ME**  
**Block WD, Markovs ME, Westhoff MH:** Excretion of 1-and 3-methylhistidine by human subjects after oral administration of L-histidine.  
*Proc Soc Exp Biol Med* 116:736-8, Jul 64
- Markowicz H**  
**Kaplan I, Markowicz H:** One-stage primary reconstruction of the cervical oesophagus by means of a free tubular graft of penile skin.  
*Brit J Plast Surg* 17:314-9, Jul 64
- Marks BH**  
**Jacobowitz D, Marks BH:** Effect of stress on glycogen and phosphorylase in the rat anterior pituitary.  
*Endocrinology* 75:86-8, Jul 64
- Marks J**  
**Marks J:** Mycobacterial disease in man and animals. Aspects of the epidemiology of infection by 'anonymous' mycobacteria.  
*Proc Roy Soc Med* 57:479-80, Jun 64
- Marks PA**  
**DeBellis RH, Gluck N, Marks PA:** Synthesis of ribonucleic acid in rabbit blood cells in vivo.  
*J Clin Invest* 43:1329-37, Jul 64
- Marmur J**  
**Mahler I, Cahoon M, Marmur J:** Bacillus subtilis deoxyribonucleic acid transfer in PBS2 transduction.  
*J Bact* 87:1423-8, Jun 64
- Marquardt JF**  
**McChesney JA, Marquardt JF:** Hypokalemic paralysis induced by amphotericin B.  
*JAMA* 189:1029-31, 28 Sep 64
- Marques M**  
**Correa PR, Marques M:** Influence of phenethylbiguanide (DBI) concentration in medium upon isolated fat tissue activity.  
*Metabolism* 13:496-8, Jun 64
- Marrero R**  
**Isla F, Atik M, Mardis H, Marrero R, Manale B:** Direct and indirect measurement of renal blood flow in the pathophysiology of acute renal failure.  
*Surg Forum* 15:492-4, 1964
- Marsden HB**  
**Marsden HB, Steward JK:** Ewing's tumours and neuroblastomas.  
*J Clin Path* 17:411-7, Jul 64
- Marshall JS**  
**Levy RP, Marshall JS, McGuire WL:** The effect of thyroxine and triiodothyronine treatment on the resin uptake of I-131-thyroxine and triiodothyronine.  
*Metabolism* 13:557-61, Jun 64
- Marshall M**  
**Marshall M:** Action of suxamethonium on ptosis due to third-nerve palsy.  
*Brit Med J* 5417:1116-7, 31 Oct 64
- Marshall RG**  
**Marshall RG:** Isolation of bovine parainfluenza-3 virus in chick embryos.  
*J Bact* 88:267-8, Jul 64
- Marshall RJ**  
**Marshall RJ, Jones JE:** Isolated pulmonary valvular regurgitation complicated by thyrotoxicosis.  
*Brit Heart J* 26:572-6, Jul 64
- Marshall TR**  
**Marshall TR, Ling JT:** Angiography: its place in current practice.  
*Vasc Dis* 1:3-7, Jan 64
- Martelle RR**  
**Linde LM, Siegel SI, Martelle RR, Simmons DH:** Lung function in congenital heart disease.  
*Dis Chest* 46:48-50, Jul 64
- Martin BF**  
**Shulman K, Martin BF, Popoff N, Ransohoff J:** Recognition and treatment of hydrocephalus following spontaneous subarachnoid hemorrhage.  
*J Neurosurg* 20:1040-9, Dec 63
- Martin CJ**  
**Ishikawa K, Martin CJ, Young AC:** Pressure-volume studies on lung lobes in man.  
*J Appl Physiol* 19:823-6, Jul 64
- Martin DC**  
**Martin DC, Goodwin WE:** An unusual case of bilateral hydrocele in an infant.  
*Brit J Urol* 36:261-3, Jun 64
- Martin DC**  
**Martin DC, Van DeWater J, Randel D, Lee DA:** Prolonged functional survival of dog renal grafts with local radiation.  
*Surg Forum* 15:156-8, 1964
- Martin DS**  
**Martin DS, Hayworth P, Fugmann RA, English R, McNeill HW:** Combination therapy with cyclophosphamide and zymosan on a spontaneous mammary cancer in mice.  
*Cancer Res* 24:852-4, May 64
- Martin GJ**  
**Smyth RD, Lambert R, Martin GJ:** Quercetin inhibition of specific histidine decarboxylase.  
*Proc Soc Exp Biol Med* 116:593-6, Jul 64
- Martin GM**  
**Martin GM:** Variation of alkaline phosphatase activity among cells of inducible and constitutive strains of human fibroblasts.  
*Proc Soc Exp Biol Med* 116:490-3, Jun 64
- Martin JD**  
**Martin JD, Davis RE:** Serum folic acid activity and vaginal bleeding in early pregnancy.  
*J Obstet Gynaec Brit Comm* 71:400-3, Jun 64
- Martin JD**  
**Hähnel R, Martin JD:** Urinary oestrogen excretion in threatened abortion.  
*J Obstet Gynaec Brit Comm* 71:599-603, Aug 64
- Martin JD Jr**  
**Stone HH, Martin JD Jr, Kolb L:** The mechanism and treatment of verdoglobulinuria in *Pseudomonas* sepsis.  
*Surg Forum* 15:48-9, 1964
- Martin MM**  
**Martin MM, Barr AB, Howe JS:** Coexisting hyperparathyroidism and Paget's disease.  
*Arch Intern Med (Chicago)* 114:482-6, Oct 64
- Martin NM**  
**Martin NM:** The overproduction of immunoglobulins.  
*Proc Roy Soc Med* 57:752-5, Aug 64
- Martin P**  
**Martin P, Yudilevich D:** A theory for the quantification of transcapillary exchange by tracer-dilution curves.  
*Amer J Physiol* 207:162-8, Jul 64
- Martin WR**  
**Martin WR, Eades CG, Fraser HF, Wikler A:** Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics.  
*J Pharmacol Exp Ther* 144:8-11, Apr 64
- Martin-Guzman G**  
**Goldner RH, Martin-Guzman G, Jones J, Goldstein NO, Rotenberg S, Rutman RJ:** Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard.  
*Cancer Res* 24:964-8, Jul 64
- Martinez C**  
**McKneally MF, Kelly WD, Resnick J, Martinez C:** Induction of tolerance with disrupted antigen, imuran, and sublethal irradiation.  
*Surg Forum* 15:131-2, 1964
- Marx FW Jr**  
**Marx FW Jr, Kolig G:** Patterns and mechanisms of injury following anoxia of the normothermic and hypothermic dog stomach.  
*Surg Forum* 15:328-30, 1964
- Marymont JH Jr**  
**London M, Marymont JH Jr:** Analyses on heat-coagulated blood and serum. II. The determination of serum inorganic phosphate.  
*Clin Chem* 10:417-23, May 64
- Masheter HC**  
**Beatty DC, Masheter HC:** The combination of anabolic steroids and corticosteroids in the treatment of rheumatoid arthritis.  
*Proc Roy Soc Med* 57:671-2, Aug 64
- Mason DM**  
**Bower BF, Mason DM, Forsham PH:** Bronchogenic carcinoma with inappropriate antidiuretic activity in plasma and tumor.  
*New Eng J Med* 271:934-8, 29 Oct 64
- Mason DT**  
**Mason DT, Braunwald E, Ross J Jr, Morrow AG:** Diagnostic value of the first and second derivatives of the arterial pressure pulse in aortic valve disease and in hypertrophic subaortic stenosis.  
*Circulation* 30:90-100, Jul 64
- Mason DT**  
**Mason DT, Braunwald E:** Effects of guanethidine, reserpine, and methyl dopa on reflex venous and arterial constriction in man.  
*J Clin Invest* 43:1449-63, Jul 64
- Mason M**  
**Wu HL, Mason M:** Pyridoxamine-oxaloacetic transaminase of rat kidney.  
*J Biol Chem* 239:1492-7, May 64
- Mason RM**  
**Mason RM:** Spondylitis.  
*Proc Roy Soc Med* 57:533-40, Jun 64
- Massey GD**  
**Massey GD:** Prevention of erythroblastosis fetalis. A preliminary study using carbazochrome salicylate.  
*Obstet Gynec* 23:712-5, May 64
- Massias P**  
**Coste F, Massias P, Schoeller JP:** Forme pseudo-rhumatoïde de spondylarthrite ankylosante?  
*Presse Med* 72:2295-8, 23 Sep 64 (Fr)
- Massopust LC Jr**  
**Wolfin LR, Massopust LC Jr, Meder J:** Electrorétinogram and cortical evoked potentials under hypothermia.  
*Arch Ophthalmol (Chicago)* 72:521-4, Oct 64
- Massoud A**  
**Massoud A, Taylor G:** Byssinosis: antibody to cotton antigens in normal subjects and in cotton card-room workers.  
*Lancet* 2:607-10, 19 Sep 64
- el Massri A**  
**el Massri A:** Relation of macular and other holes to the insertin of the inferior oblique.  
*Brit J Ophthalmol* 47:90-4, Feb 63
- Master AM**  
**Master AM, Rosenfeld I:** Monitored and post-exercise two-step test.  
*JAMA* 190:494-500, 9 Nov 64
- Masters YF**  
**Menguy RB, Masters YF:** Mechanism of gastric injury by aspirin.  
*Surg Forum* 15:315-7, 1964
- Mastrapa P**  
**Mozaan AA, Mastrapa P:** Management of critical and chronic hypertension.  
*Industr Med Surg* 33:556-9, Aug 64
- Mastrolanni L Jr**  
**Mastrolanni L Jr, Ehteshamzadeh J:** Corona cell dispersing properties of rabbit tubal fluid.  
*J Reprod Fertil* 8:146-7, Aug 64
- Masuko K**  
**Masuko K, Rubin E, Popper H:** Proliferation of bile ducts in cirrhosis.  
*Arch Path (Chicago)* 78:421-31, Oct 64
- Matano I**  
**Hessel EA 2d, Anderson HN, Matano I, Dillard DH, Merendino KA:** Evaluation of prosthetic heart valves in the calf.  
*Surg Forum* 15:257-9, 1964
- Matev I**  
**Matev I:** Transposition of the lateral slips of the aponeurosis in treatment of long-standing "boutonnière deformity" of the fingers.  
*Brit J Plast Surg* 17:281-6, Jul 64
- Mathé G**



# ABRIDGED INDEX MEDICUS

- Mathé G, Amiel JL:** Les réactions immunologiques de greffe. *Presse Med* 72:2331-6, 28 Sep 64 (Fr)
- Mathé G:** Les greffes de cellules hématopoïétiques et leurs applications. *Presse Med* 72:2391-4, 3 Oct 64 (Fr)
- Mathé G, Schneider M, Cattani A, Schwarzenberg L, Amiel JL:** Essai de traitement de la leucémie myéloïde chronique par le dibromomannitol. *Presse Med* 72:2135-6, 12 Sep 64 (Fr)
- Mathewson C Jr:** Postgraduate medical training on the Pacific Coast. *Amer J Surg* 108:127-31, Aug 64
- Mathieu de Fossey B:** Bricaire H, Joly J, Mathieu de Fossey B, Courjaret J, Baillet J: Exploration du couple hypophyso-thyroidien à l'aide d'un dérivé de l'imidazole. A propos de 25 observations personnelles. *Presse Med* 72:2505-10, 17 Oct 64 (Fr)
- Mathur KS:** Mathur KS, Kumar V, Kashyap SK: The natural history of coronary atherosclerosis. *Dis Chest* 46:70-7, Jul 64
- Matousek J:** Matousek J: Antigenic characteristics of spermatozoa from bulls, rams and boars. II. Sperm agglutinins in normal and immune sera. *J Reprod Fertil* 8:5-11, Aug 64
- Matousek J:** Matousek J: Antigenic characteristics of spermatozoa from bulls, rams and boars. I. Erythrocytic antigens in bull spermatozoa. *J Reprod Fertil* 8:1-3, Aug 64
- Matousek J:** Matousek J: Antigenic characteristics of spermatozoa from bulls, rams and boars. 3. Absorption analysis, precipitins and fructolysis in relation to the antigenicity of bull spermatozoa. *J Reprod Fertil* 8:13-21, Aug 64
- Matson CF:** Gephart MC, Hanlon TJ, Matson CF: Blood uric acid values as related to sex and age. *JAMA* 189:1028-9, 28 Sep 64
- Matsuda K:** Matsuda K, Duyck C, Kendall JW Jr, Greer MA: Pathways by which traumatic stress and other induce increased ACTH released in the rat. *Endocrinology* 74:981-5, Jun 64
- Matsuda K:** Matsuda K, Duyck C, Greer MA: Restoration of the ability of rat pituitary homotransplants to secrete ACTH if placed under the hypothalamic median eminence. *Endocrinology* 74:939-43, Jun 64
- Matsumoto PJ:** Matsumoto PJ, Fazekas G, Gage AA: Arterial replacement by autogenous connective tissue tubes formed in polyurethane sponge. *Surg Forum* 15:72-3, 1964
- Matsumura Y:** Kolke TI, Nalbandov AV, Dimick MK, Matsumura Y, Lepkovsky S: Action of insulin upon blood glucose levels of fasted hypophysectomized, depancreatized and normal chickens. *Endocrinology* 74:944-8, Jun 64
- Mattheis DK:** Leonard CG, Mattheis DK, Mattheis MJ, Housewright RD: Transformation to prototrophy and polyglutamic acid synthesis in *Bacillus licheniformis*. *J Bact* 88:220-5, Jul 64
- Mattheis MJ:** Leonard CG, Mattheis DK, Mattheis MJ, Housewright RD: Transformation to prototrophy and polyglutamic acid synthesis in *Bacillus licheniformis*. *J Bact* 88:220-5, Jul 64
- Matthew GK:** Brown JJ, Matthew GK, Robertson JI: The effect of angiotensin on the function of the separate kidneys in patients with unilateral renal artery stenosis. *Clin Sci* 26:381-95, Jun 64
- Matthews CM:** Matthews CM: Comparison of coincidence counting and focusing collimators with various isotopes in brain tumour detection. *Brit J Radiol* 37:531-43, Jul 64
- Mattox VR:** Mattox VR, Hayles AB, Salassa RM, Dion FR: Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. *J Clin Endocr* 24:517-27, Jun 64
- Mauck HP Jr:** Mauck HP Jr, Hockman CH, Hoff EC: ECG changes after cerebral stimulation. I. Anomalous atrioventricular excitation elicited by electrical stimulation of the mesencephalic reticular formation. *Amer Heart J* 68:98-101, Jul 64
- Mauer AM:** Mauer AM: Characteristics of cell proliferation in a patient with acute leukaemia. *Lancet* 2:875-6, 20 Sep 64
- Mauvais-Jarvis P:** Baulieu EE, Mauvais-Jarvis P: Studies on testosterone metabolism. II. Metabolism of testosterone-4-<sup>14</sup>C and androst-4-ene-3, 17-dione-1-<sup>2</sup>H. *J Biol Chem* 239:1578-84, May 64
- Mauvais-Jarvis P:** Baulieu EE, Mauvais-Jarvis P: Studies on testosterone metabolism. I. Conversion of testosterone-17-alpha-<sup>3</sup>H to 5-alpha- and 5-beta-androstane-3-alpha, 17-beta-deol-17-alpha-<sup>3</sup>H: a new 17-beta-hydroxyl pathway". *J Biol Chem* 239:1569-77, May 64
- Mawdesley-Thomas LE:** Mawdesley-Thomas LE, Rogerson R: The treatment of cerebral atherosclerosis with Vasolastine (a preliminary report). *Brit J Clin Pract* 18:405-7, Jul 64
- Maxfield HK:** Hayes RO, Daniels JB, Maxfield HK, Wheeler RE: Field and laboratory studies on eastern encephalitis in warm- and cold-blooded vertebrates. *Amer J Trop Med* 13:595-606, Jul 64
- Maxted W:** Maxted W: The clinical safety of angiographic media. *Vasc Dis* 1:58-63, Jan 64
- Maxwell JW Jr:** Jackson FC, Maxwell JW Jr: Intrahepatic diverticulum-common hepatic bile duct. *Arch Surg (Chicago)* 89:706-8, Oct 64
- Maxwell MH:** Henkin RI, Levine ND, Susman HH, Maxwell MH: Evidence for the presence of substances toxic for HeLa cells in the serum and in the dialysis fluid of patients with glomerulonephritis. *J Lab Clin Med* 64:79-88, Jul 64
- Maxwell RA:** Maxwell RA, Kelley JJ Jr, Eckhardt ET: Effect of catecholamine depletion on an index of myocardial contractility in isolated rabbit hearts. *Proc Soc Exp Biol Med* 116:672-4, Jul 64
- May IA:** May IA, Byrne WD, Yee J, Hardy KL, Samson PC: Left colon total bypass for benign and malignant disease of the esophagus. *Amer J Surg* 108:204-14, Aug 64
- Mayall GF:** Mayall GF: Pyelo-ureteritis cystica. *Brit J Radiol* 37:567-8, Jul 64
- Mayer H:** Buck AA, Mayer H: Comparative studies of the rapid plasma reagin card test for syphilis and the VDRL slide test in Ethiopia. *Amer J Hyg* 80:85-90, Jul 64
- Mayer J:** Roxin PN, Mayer J: Some factors influencing short-term food intake of the goldfish. *Amer J Physiol* 206:1430-6, Jun 64
- Mayer M:** Mayer M, Ducas P, Rey F: Notre pratique actuelle de la ponction de liquide amniotique dans le traitement des erythroblastoses par iso-immunisation. *Presse Med* 72:2369-72, 3 Oct 64 (Fr)
- Mayer RF:** Mayer RF, Eiken O, Nabseth DC: Nerve regeneration in replanted canine limbs. *Amer J Physiol* 206:1415-21, Jun 64
- Mayer SE:** Brinsfield D, Hopf MA, Mayer SE, Galletti PM: Body fluids and electrolytes after prolonged cardiopulmonary bypass. *J Appl Physiol* 19:566-70, Jul 64
- Mays EE:** Mays EE, Hawkins JA, Kuhn LR: The clinical usefulness of fungal serologic testing. *Dis Chest* 46:205-10, Aug 64
- Mayson JS:** Hayes CP Jr, Mayson JS, Owen EE, Robinson RR: A micropuncture evaluation of renal ammonia excretion in the rat. *Amer J Physiol* 207:77-83, Jul 64
- Mazurowski JA:** Hughes JR, Mazurowski JA: Studies on the supracallosal mesial cortex of unanesthetized, conscious mammals. II. Monkey. D. vertex sharp waves and epileptiform activity. *Electroenceph Clin Neurophysiol* 16:561-74, Jun 64
- Mbaya V:** For H, Kondi A, Mbaya V: Effect of riboflavin deficiency on bone marrow function and protein metabolism in baboons. Preliminary report. *Brit J Nutr* 18:307-18, 1964
- McCreia PC:** McCreia PC, Childers RW: Two unusual cases of giant cell myocarditis associated with mitral stenosis and with Wegener's syndrome. *Brit Heart J* 26:490-8, Jul 64
- Mead J:** Mead J: The cardiovascular system in thyroid malfunction. *J Amer Geriatr Soc* 12:776-86, Aug 64
- Mead JF:** Collier CR, Mead JF: Pulmonary exchange as related to altered pulmonary mechanics in anesthetized dogs. *J Appl Physiol* 19:859-64, Jul 64
- Mead JF:** Ferris BG Jr, Mead JF, Opie LH: Partitioning of respiratory flow resistance in man. *J Appl Physiol* 19:653-8, Jul 64
- Mead JF:** Gordon S, Mead JF: Conversion of linoleic-1-<sup>14</sup>C acid to arachidonic acid in the gerbil. *Proc Soc Exp Biol Med* 116:730-3, Jul 64
- Meade RH:** Rasmussen RA, Basinger CE, Harrison RW, Meade RH: Choice of operation in the treatment of bronchogenic carcinoma. (A review of 813 cases of which 209 were treated by resection). *Dis Chest* 46:190-7, Aug 64
- Meadows DC:** Kukral JC, Meadows DC: Synthesis of plasma protein fractions in burned patients. *Surg Forum* 15:43-5, 1964
- Mealey J Jr:** Mealey J Jr: Radioisotopic localization in subdural hematomas. An experimental study with arsenic-74 and radioiodinated human serum albumin in dogs. *J Neurosurg* 20:770-6, Sep 63
- Medearis DN Jr:** Medearis DN Jr: Mouse cytomegalovirus infection. II. Observations during prolonged infections. *Amer J Hyg* 80:103-12, Jul 64
- Medearis DN Jr:** Medearis DN Jr: Mouse cytomegalovirus infection. 3. Attempts to produce intrauterine infections. *Amer J Hyg* 80:113-20, Jul 64
- Meder J:** Wolin LR, Massopust LC Jr, Meder J: Electoretinogram and cortical evoked potentials under hyperthermia. *Arch Ophthalmol (Chicago)* 72:521-4, Oct 64
- Medina H:** Ikeda S, Medina H, Clowes GH Jr: Oxygen consumption during total perfusion with diluted blood at normal and hypothermic temperatures. *Surg Forum* 15:212-3, 1964
- Meerloo JA:** Meerloo JA: Plagiarism and identification. *Arch Gen Psychiat (Chicago)* 11:421-4, Oct 64
- Mego JL:** McQueen JD, Mego JL: An experimental study of tissue-concentration ratios of As74 arsenate and labeled organic conjugates. *J Neurosurg* 21:641-6, Aug 64
- Mehl RL:** Mehl RL, Paul HA, Hanashiro PK, Beattie EJ Jr: Successful treatment of crush and amputation shock following prolonged periods of ischemia. *Surg Forum* 15:1-3, 1964
- Mehra KS:** Mehra KS: Incidence of colour blindness in Indians. *Brit J Ophthalmol* 47:485-7, Aug 63
- Meites J:** Talwalker PK, Meites J, Mizuno H: Mammary tumor induction by estrogen or anterior pituitary hormones in ovariectomized rats given 7, 12-dimethyl-1, 2-benzanthracene. *Proc Soc Exp Biol Med* 116:531-4, Jun 64
- Melliger E:** Melliger E: Versuch zum Nachweis von Pollenreaginen in vitro. *Int Arch Allerg* 24:Suppl:21-2, 1964 (Ger)
- Mellman WJ:** Mellman WJ, Oski FA, Tedesco TA, Maciera-Coelho A, Harris H: Leucocyte enzymes in Down's syndrome. *Lancet* 2:874-5, 20 Sep 64
- Melmon KL:** Sjoerdsma A, Melmon KL: Severe flushing reactions responsive to steroids in patients with bronchial carcinoid. *Lancet* 2:791-2, 10 Oct 64
- Melnick JL:** Behbehani AM, Lee LH, Melnick JL: Identification of Thai C-18 virus as a member of the coxsackie virus A20 subgroup. *Proc Soc Exp Biol Med* 116:661-2, Jul 64
- Meloni CR:** Prezio JA, Carreon G, Clerkin E, Meloni CR, Kyle LH, Canary JJ: Influence of body composition on adrenal function in obesity. *J Clin Endocr* 24:481-5, Jun 64
- Melrose DG:** Melrose DG, Bentall HH, McMillan IK, Flegge JB, Alvarez Diaz FR, Nahas RA, Fautley R, Carson J: The evolution of a mitral-valve prosthesis. *Lancet* 2:623-4, 19 Sep 64
- Melvin J:** Andy OJ, Mukawa J, Melvin J: Interamygdaloid propagation. *Surg Forum* 15:400-2, 1964
- Mena A:** Sharpley P, Mena A, Schiele BC, Heistad G: A comparison of pargyline and tranlycypromine with and without the addition of trifluoperazine: a double-blind study. *Curr Ther Res* 6:344-52, May 64
- Menashe V:** Starr A, Campbell TJ, Wood J, McCord C, Herr R, Menashe V: Transposition of the great vessels: recent experience with the Blalock-Hanlon procedure. *Amer J Surg* 108:198-203, Aug 64
- Mendels J:** Mendels J: Transient toxicity with carphenazine hydrochloride. *Amer J Psychiat* 121:185-7, Aug 64
- Mendels J:** Mendels J: Thiopropazine-induced lactation. *Amer J Psychiat* 121:190-1, Aug 64
- Mendelson JH:** Mendelson JH, Wexler D, Kubzansky PE, Harrison R, Leiderman G, Solomon P: Physicians' attitudes toward alcoholic patients. *Arch Gen Psychiat (Chicago)* 11:392-9, Oct 64
- Mendez C:** Moe GK, Mendez C, Abildskov JA: A complex manifestation of concealed A-V conduction in the dog heart. *Circ Res* 15:51-63, Jul 64
- Mendez J:** Mendez J: Effect of dietary protein level and cholesterol supplementation prior to acute starvation on serum and liver lipids in the rat. *Metabolism* 13:669-74, Jul 64
- Mendez R:** Erlij D, Mendez R: The modification of digitalis intoxication by excluding adrenergic influences on the heart. *J Pharmacol Exp Ther* 144:97-103, Apr 64
- Mendoza SA:** Mendoza SA, Milch RA: Tensile strength of skin collagen. *Surg Forum* 15:433-4, 1964
- Menduke H:** Sataloff J, Wagner S, Menduke H: Kanamycin ototoxicity in healthy men. *Arch Otolaryng (Chicago)* 80:413-7, Oct 64
- Mengel CE:** Mengel CE, Carter WA, Horton ES: Geophagia with iron deficiency and hypokalemia. *Cachexia africana*. *Arch Intern Med (Chicago)* 114:470-4, Oct 64
- Mengel CE:** Mengel CE, Kann HE, Smith WW, Horton BD: Effects of in vivo hyperoxia on erythrocytes. 1. Hemolysis in mice exposed to hyperbaric oxygenation. *Proc Soc Exp Biol Med* 116:259-61, Jun 64
- Menges H Jr:** Menges H Jr, Ankeney JL, Hellerstein HK: The clinical diagnosis and surgical management of ruptured mitral chordae tendineae. *Circulation* 30:8-16, Jul 64
- Mengus C:** Ougier J, Copferman R, Mengus C: Leucémie aigue myéloblastique à évolution prolongée et a localisation encéphalo-méningée isolée et tardive. *Presse Med* 72:2227-8, 19 Sep 64 (Fr)
- Menguy RB:** Menguy RB, Masters YF: Mechanism of gastric injury by aspirin. *Surg Forum* 15:315-7, 1964
- Menkin MF:** Fernandez-Cano L, Menkin MF, Garcia CR, Rock J: Refrigerant preservation of human spermatozoa. I. Factors influencing recovery in euspermic semen: clinical applications. *Fertil Steril* 15:390-406, Jul-Aug 64
- Menon NK:** Menon NK: Roentgenographic appearances in hepatopulmonary amebiasis. *Dis Chest* 46:219-22, Aug 64
- Merendino KA:**



# ABRIDGED INDEX MEDICUS

- Hessel EA 2d, Anderson HN, Matano I, Dillard DH, Merendino KA: Evaluation of prosthetic heart valves in the calf. *Surg Forum* 15:257-9, 1964
- Merikallio E  
 Paloheimo J, Merikallio E, Halonen PI, Peräsalo O: Mitral stenosis and mitral commissurotomy. Pre- and postoperative observations. *Ann Chir Gynaec Fenn* 53:289-304, 1964
- Mering O von  
 Friedmann I, Lundstedt S, Mering O von, Hinko EN: Systematic underestimation in reported mental hospital readmission rates. *Amer J Psychiat* 121:148-52, Aug 64
- Merki RT  
 Sutherland JC, Merki RT: Acute inversion of the urinary bladder in labour. *Brit Med J* 5415:991-2, 17 Oct 64
- Merrick JM  
 Merrick JM, Doudoroff M: Depolymerization of poly-beta-hydroxybutyrate by intracellular enzyme system. *J Bact* 88:60-71, Jul 64
- Merrill DA  
 Merrill DA, Kirkpatrick CH, Wilson WE, Riley CM: Change in serum haptoglobin type following human liver transplantation. *Proc Soc Exp Biol Med* 116:748-51, Jul 64
- Merrill JP  
 Merrill JP, Schupak E, Cameron E, Hampers CL: Hemodialysis in the home. *JAMA* 190:468-70, 2 Nov 64
- Merrill RE  
 Stahlman M, LeQuire VS, Young WC, Merrill RE, Birmingham RT, Payne GA, Gray J: Pathophysiology of respiratory distress in newborn lambs. Circulatory, biochemical, and pathological considerations. *Amer J Dis Child* 108:375-93, Oct 64
- Merritt CB  
 Bornside GH, Merritt CB, Weil AC: Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. *J Bact* 87:1443-51, Jun 64
- Mertz ET  
 Chance RE, Mertz ET, Halver JE: Nutrition of salmonoid fishes. XII. Isoleucine, leucine, valine and phenylalanine requirements of chinook salmon and inter-relationships between isoleucine and leucine for growth. *J Nutr* 83:177-85, Jul 64
- Messer HD  
 Messer HD, Strenger L, McVeety HJ: Use of plastic adhesive for reinforcement of a ruptured intracranial aneurysm. *J Neurosurg* 20:360-2, Apr 63
- Messite J  
 Kleinfeld M, Messite J, Shapiro J, Kooyman O, Swencicki R: Lung function in talc workers. *Arch Environ Health (Chicago)* 9:559-66, Nov 64
- Mestler GE  
 Hamilton JB, Bunch LD, Mestler GE, Imagawa R: Effect of castration in man upon blood sedimentation rate, hematocrit and hemoglobin. *J Clin Endocr* 24:506-11, Jun 64
- Mestre C  
 Mestre C, Galin MA, McLean JM: Evaluation of sustained-release acetazolamide. *Brit J Ophthalmol* 47:31-5, Jan 63
- Metcalf MG  
 Metcalf MG: Spirolactone and plasma cortisol. *Brit Med J* 5418:1201, 7 Nov 64
- Metcalf W  
 Metcalf W, Roach J, Ohin A: A quantitative expression for nitrogen retention with anabolic steroids. 3. Nortestosterone dipropionate. *Metabolism* 13:539-46, Jun 64
- Metge WR  
 Metge WR, Owen CA Jr, Fouk WT, Hoffmann HN 2d: Bilirubin glucuronyl transferase activity in liver disease. *J Lab Clin Med* 64:89-98, Jul 64
- Metselaar D  
 Wiltendink JB, Metselaar D, Van Der Kuyp E, Verlinde JD: Poliomyelitis in Surinam. Report on a type-1 outbreak in 1963 and its control by trivalent oral polio virus vaccine. *Trop Geogr Med* 16:120-8, Jun 64
- Metselaar D  
 Metselaar D, Wiltendink JB, Verlinde JD: Virological and serological observations made during the development and control of an outbreak of poliomyelitis in Surinam. *Trop Geogr Med* 16:129-34, Jun 64
- Metz B  
 Wyndham CH, Strydom NB, Munro A, MacPherson RK, Metz B, Schaff G, Schieber J: Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. *J Appl Physiol* 19:607-12, Jul 64
- Metz CB  
 Shivers CA, Metz CB, Lutwak-Mann C: Some properties of pig follicular fluid. *J Reprod Fertil* 8:115-20, Aug 64
- Metz J  
 Baumslag N, Metz J: Response to lettuce in a patient with megaloblastic anemia associated with pregnancy. *S Afr Med J* 38:611-3, 15 Aug 64
- Metzgar DP  
 Peck HM, Woodhour AF, Metzgar DP, McKinney SE, Hilleman MR: New metabolizable immunologic adjuvant for human use. 2. Short-term animal toxicity tests. *Proc Soc Exp Biol Med* 116:523-30, Jun 64
- Metzgar DP  
 Woodhour AF, Metzgar DP, Stim TB, Tytell AA, Hilleman MR: New metabolizable immunologic adjuvant for human use. I. Development and animal immune response. *Proc Soc Exp Biol Med* 116:516-23, Jun 64
- Meyer J  
 Meyer J, Buswell M: Total medical treatment: report of a five-year study. *Amer J Psychiat* 121:129-35, Aug 64
- Meyer JS  
 Fischer-Williams M, Telerman-Toppet N, Meyer JS: Clinico-EEG correlation with arterial and jugular venous biochemical studies in acute neurological disorder. *Brain* 87:281-306, Jun 64
- Meyer JS  
 Meyer JS, Ishikawa S, Lee TK: Electromagnetic measurement of internal jugular venous flow in the monkey; effect of epilepsy and other procedures. *J Neurosurg* 21:524-39, Jul 64
- Meyer JS  
 Symon L, Ishikawa S, Lavy S, Meyer JS: Quantitative measurement of cephalic blood flow in the monkey. *J Neurosurg* 20:199-218, Mar 63
- Meyer TC  
 Rowe GG, Castillo CA, Afonso S, Meyer TC, Crompton CW: Diagnostic cineangiocardiology. *Vasc Dis* 1:45-53, Jan 64
- Meyers FH  
 Ivanhoe F, Meyers FH: Phosgene poisoning as an example of neuroparalytic acute pulmonary edema: the sympathetic vasomotor reflex involved. *Dis Chest* 46:211-8, Aug 64
- Meyers RL  
 Weimer HE, Miller JN, Meyers RL, Baxter D, Roberts DM, Godfrey JF, Carpenter CM: The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. *Cancer Res* 24:847-54, Jun 64
- Miale A Jr  
 Kenmore PI, Zohn D, Miale A Jr, Adams JP: Regional intravenous anesthesia. *Surg Forum* 15:454-6, 1964
- Michaels L  
 Michaels L: Cancer incidence and mortality in patients having anticoagulant therapy. *Lancet* 2:832-5, 17 Oct 64
- Michaux MH  
 Michaux MH, Hanlon TE, Ota KY, Kurland AA: Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. *Curr Ther Res* 6:331-9, May 64
- Michel I  
 Hill R, Freeman JJ, Michel I, Borman A: Characterization of a transplantable lactating mammary tumor: endocrinological, morphological, and biochemical aspects. *Cancer Res* 24:812-23, Jun 64
- Michel I  
 Freeman JJ, Hill R, Iovino AJ, Michel I: Effects of steroids upon the weight, protein and nucleic acid concentration of the preputial glands of the female rat. *Endocrinology* 74:990-3, Jun 64
- Michel J  
 Néel JL, Michel J, Thureau J: Les thromboses des veines profondes du membre supérieur gauche. *Presse Med* 72:2373-6, 3 Oct 64 (Fr)
- Michie W  
 Gunn A, Michie W, Irvine WJ: The thymus in thyroid disease. *Lancet* 2:776-8, 10 Oct 64
- (Michon P)  
 (Michon P), Larcen A: Paul Michon (1897-1964) (Fr) *Presse Med* 72:2245, 19 Sep 64 (Fr)
- Mickelson MN  
 Mickelson MN: Chemically defined medium for growth *Streptococcus pyogenes*. *J Bact* 88:158-64, Jul 64
- Mickey MR  
 Seligman SJ, Mickey MR: Estimation of the number of infectious bacterial or viral particles by the dilution method. *J Bact* 88:31-6, Jul 64
- Miescher PA  
 Wiedermann G, Ovary Z, Miescher PA: Influence of mercaptoethanol treatment on skin sensitizing and complement binding ability of 7 S anti-dinitrophenol-bovine gamma globulin antibody. *Proc Soc Exp Biol Med* 116:448-52, Jun 64
- Mighorst JA  
 Grosfeld JC, Mighorst JA, Moolhuysen TM: Argininosuccinic aciduria in monilethrix. *Lancet* 2:789-91, 10 Oct 64
- Migliore A  
 Migliore A, Paoletti P, Villani R: Studies on the rate of disappearance of Na-24 from the ventricular cavities in obstructive hydrocephalus. *J Neurosurg* 21:521-3, Jul 64
- Mihaly JP  
 Mihaly JP, Schwarz S, Condreras A: Superior pulmonary sulcus tumor with classical Pancoast syndrome: case report. *J Amer Geriatr Soc* 12:800-6, Aug 64
- Mikaelian DO  
 Mikaelian DO, Ruben RJ: Hearing degeneration in Shaker-1 mouse. Correlation of physiological observations with behavioral responses and with cochlear anatomy. *Arch Otolaryng (Chicago)* 80:418-30, Oct 64
- Miki E  
 Kosaka K, Ide T, Kuzuya T, Miki E, Kuzuya N, Okinaka S: Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. *Endocrinology* 75:9-14, Jul 64
- Miki K  
 Miki K, Mackaness GS: The passive transfer of acquired resistance to *Listeria monocytogenes*. *J Exp Med* 120:93-103, 1 Jul 64
- Miklaw H  
 Büchner C, Bilger R, Overbeck W, Miklaw H, Reindell H: Geburt bei einer Patientin mit künstlichem Schrittmacher des Herzens. *Deutsch Med Wschr* 89:1932-3, 9 Oct 64 (Ger)
- Mikniss S  
 Seriabine A, Booher KD, McShane WK, Constantine JW, Mikniss S: Some cardiovascular actions of benzquinamide. *J Pharmacol Exp Ther* 144:131-7, Apr 64
- Mikol C  
 Mikol C, Maret L: Les réactions d'agglutination de la polyarthrite rhumatoïde. *Presse Med* 72:2169-70, 12 Sep 64 (Fr)
- Mikol C  
 Mikol C, Paupe J: Les maladies avec auto-anticorps. Données cliniques et expérimentales. *Presse Med* 72:2521-4 cont'd, 17 Oct 64 (Fr)
- Milby TH  
 Milby TH, Epstein WL: Allergic contact sensitivity to malathion. *Arch Environ Health (Chicago)* 9:434-7, Oct 64
- Milch RA  
 Mendoza SA, Milch RA: Tensile strength of skin collagen. *Surg Forum* 15:433-4, 1964
- Miles CP  
 Miles CP: Prolonged culture of diploid human cells. *Cancer Res* 24:1070-82, Jul 64
- Miles DW  
 Fearnley ME, Rainer EH, Taverner D, Boyle TM, Miles DW: Cervical sympathetic block in treatment of Bell's palsy. A controlled trial. *Lancet* 2:725-7, 3 Oct 64
- Milgram JE  
 Milgram JE: Office measures for relief of the painful foot. *J Bone Joint Surg [Amer]* 46:1095-118, Jul 64
- Milgram F  
 McDonald JC, Milgram F, Witebsky E: Antiglobulin consumption test in rabbit homotransplantation. *JAMA* 190:122-6, 12 Oct 64
- Miller A  
 Miller A: Treatment of urethral obstruction in children. *Proc Roy Soc Med* 57:730-2, Aug 64
- Miller AJ  
 Miller AJ, Ellis AB, Hirsch LJ: Effects of increased left ventricular resistance loads on flow and composition of cardiac lymph in the dog. *Proc Soc Exp Biol Med* 116:392-4, Jun 64
- Miller C  
 Ojemann RG, Miller C, Brownell GL: Extracranial measurement of regional cerebral blood flow by intracarotid injection of RISA. *Surg Forum* 15:407-8, 1964
- Miller CL  
 Benson PF, Butler NR, Goffe AP, Knight GJ, Laurence GD, Miller CL, Pollock TM: Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. *Brit Med J* 5413:851-3, 3 Oct 64
- Miller EC  
 Margreth A, Lothkar PD, Miller EC, Miller JA: The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. *Cancer Res* 24:920-5, Jun 64
- Miller GA  
 Gianturco C, Miller GA: Tilt-table encephalography. *Radiology* 83:46-7, Jul 64
- Miller JA  
 Margreth A, Lothkar PD, Miller EC, Miller JA: The effects of hepatotoxic agents and of liver growth on the urinary excretion of the N-Hydroxy metabolite of 2-acetylaminofluorene by rats. *Cancer Res* 24:920-5, Jun 64
- Miller JF  
 Miller JF: Influence of thymectomy on tumor induction by polyoma virus in C57BL mice. *Proc Soc Exp Biol Med* 116:323-7, Jun 64
- Miller JH  
 Thompson JC, Davidson WD, Miller JH: Fractional isolation of the antral chalone from crude gastrin. *Surg Forum* 15:317-9, 1964
- Miller JN  
 Weimer HE, Miller JN, Meyers RL, Baxter D, Roberts DM, Godfrey JF, Carpenter CM: The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. *Cancer Res* 24:847-54, Jun 64
- Miller JR  
 Robinson GC, Miller JR, Dill FJ, Kamburoff TD: Klinefelter's syndrome with the XYYY sex chromosome complex. With particular reference to prepubertal diagnosis. *J Pediatr* 65:226-32, Aug 64
- Miller LD  
 Edynak E, Caycedo A, Nance FC, Miller LD, Peskin GW: The role of serotonin in the digestive process. *Surg Forum* 15:301-3, 1964
- Miller LF  
 Rytel MW, Conner GH, Welch CC, Kraybill WH, Edwards EA, Rosenbaum MJ, Frank PF, Miller LF: Infectious agents associated with cylindrical bronchiectasis. *Dis Chest* 46:23-8, Jul 64
- Miller LF  
 Lytle RI, Rosenbaum MJ, Miller LF, Rosenthal S: Detection of a prealbumin in sera of children following extensive burns. *J Lab Clin Med* 64:117-24, Jul 64
- Miller LL  
 Seifferts MJ, Segal HL, Miller LL: Chromatographic separation of pepsins from human gastric juice. *Amer J Physiol* 207:3-12, Jul 64
- Miller NE  
 Miller NE, Gottesman KS, Emery N: Dose response to carbachol and norepinephrine in rat hypothalamus. *Amer J Physiol* 206:1384-8, Jun 64
- Miller SA  
 Strohmeier GW, Miller SA, Scarlata RW, Moore EW, Greenberg MS, Hallers TC: Effects of hypoxia on iron absorption and mobilization in the rat. *Amer J Physiol* 207:55-61, Jul 64
- Miller SJ  
 Paterson GD, Miller SJ: Hormonal influence in simple glaucoma. A preliminary report. *Brit J Ophthalmol* 47:129-37, Mar 63
- Miller SJ  
 Miller SJ: Hypotony following cycloidalysis. *Brit J Ophthalmol* 47:211-4, Apr 63
- Miller WN  
 Small MJ, Miller WN, Leiner GC, Strauss HD, Abramowitz S: Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. *Amer Rev Res Dis* 90:223-30, Aug 64
- Milbier P  
 Milbier P, Fritel D, Rey LP: Essai clinique d'une



# ABRIDGED INDEX MEDICUS

- médication hypotensive: l'alpha-méthyl 3, 4-dihydroxyphénylalanine ou Méthylidopa. Presse Med 72:2519-20, 17 Oct 64 (Fr)
- Millner RV  
Dassler W, Millner RV, Stoner RE: Accumulation of iron in subcutaneous sponge implants in normal and lathyrus rats. Metabolism 13:579-82, Jun 64
- Mills IH  
Prunty FT, Brooks RV, Dupre J, Hutchinson JS, London DR, Mills IH, Rhodes P: Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. Proc Roy Soc Med 57:529-32, Jun 64
- Mills KL  
Mills KL: The clinical course of 234 neoplasms of the bladder in north-east Scotland. Brit J Urol 36:204-10, Jun 64
- Mills W  
Mills W: Chorion-carcinoma in the Midlands. Clin Radiol 15:260-2, Jul 64
- Millwood EG  
Klein M, Millwood EG: On the sterility of eye ointments. Brit J Ophthal 48:285-7, May 64
- Miller JE  
Miller JE, Evans CA, Weiser RS: Immunity and the treatment of cancer. Lancet 2:816-7, 10 Oct 64
- Minton JP  
Minton JP, Ketcham AS, Dearman JR: Tumoricidal factor in laser radiation. Surg Forum 15:335-6, 1964
- Mirand EA  
Buffett RF, Grace JT Jr, Mirand EA: Properties of a lymphocytic leukemia agent isolated from Ha/ICR Swiss mice. Proc Soc Exp Biol Med 116:293-7, Jun 64
- Miranda H  
Parasene WL, Ibanez N, Miranda H: Australorbis tenagophilus in Peru, and its susceptibility to Schistosoma mansoni. Amer J Trop Med 13:534-40, Jun 64
- Mirvish S  
Mirvish S, Cividalli G, Berenblum I: Slow elimination of urethan in relation to its high carcinogenicity in newborn mice. Proc Soc Exp Biol Med 116:285-8, Jun 64
- Miscall L  
Steinberg I, Miscall L, Goldberg HP: Congenital absence of left pulmonary artery with patent ductus arteriosus; treatment by closure of ductus and left pneumonectomy. JAMA 190:394-6, 28 Oct 64
- Missemahl HP  
Heller H, Missemahl HP, Sohar E, Gafni J: Amyloidosis: its differentiation into perireticulin and peri-collagen types. J Path Bact 88:15-34, Jul 64
- Mitchell G  
Blackmore DJ, Mitchell G: Use of a modified minicoll for continuous dialysis. Brit Med J 5413:847-50, 3 Oct 64
- Mitchell JC  
Mitchell JC: Bradykinin (a vasoactive polypeptide). New Eng J Med 271:1057-9, 12 Nov 64
- Mitchell JE  
Mitchell JE: Hernial appendicitis. Brit J Clin Pract 18:41b-21, Jul 64
- Mitchell JP  
Mitchell JP: Endoscopic investigation and diagnosis of urethral obstruction in children. Proc Roy Soc Med 57:732-4, Aug 64
- Mitchell ML  
Gilboa Y, Mitchell ML: Metabolism of thyroglobulin-I-131 in the guinea pig in vivo and in vitro. Metabolism 13:661-8, Jul 64
- Mitchley BC  
Boyland E, Roe FJ, Gorrod JW, Mitchley BC: The carcinogenicity of nitrosoanabasine, a possible constituent of tobacco smoke. Brit J Cancer 18:265-70, Jun 64
- Mitford-Barborton GD  
Mitford-Barborton GD, Sibthorpe EM: Labour following caesarean section in a primitive community. A study of 801 patients. J Obstet Gynaec Brit Comm 71:469-73, Jun 64
- Mitsuda H  
Inagami T, Mitsuda H: The mechanism of the specificity of trypsin catalysis. II. Comparison of trypsin and alpha-chymotrypsin in the nonspecific catalyses of the hydrolysis of acetyl-glycine ethyl ester. J Biol Chem 239:1388-94, May 64
- Mitsunashi S  
Hashimoto H, Kono K, Mitsunashi S: Elimination of penicillin resistance of Staphylococcus aureus by treatment with acriflavine. J Bact 88:281-2, Jul 64
- Mittelpunkt AI  
Nora PF, Mittelpunkt AI, Haley HB, Laufman H: Protein bound iodine in the thyroid vein of man. Surg Forum 15:79-80, 1964
- Miyashi H  
Hayashi H, Nitta R, Miyashi H: Conditions of reactivation of arthus-type inflammation by thiol compounds. Proc Soc Exp Biol Med 116:417-20, Jun 64
- Misrahi A  
Misrahi A, Gold AP: Neonatal tetany secondary to maternal hyperparathyroidism. JAMA 190:155-6, 12 Oct 64
- Mizuno H  
Tajwalkar PK, Meltes J, Mizuno H: Mammary tumor induction by estrogen or anterior pituitary hormones in ovariectomized rats given 7, 12-dimethyl-1, 2-benzanthracene. Proc Soc Exp Biol Med 116:531-4, Jun 64
- Mizushima S  
Mizushima S, Kitahara K: Quantitative studies on glycolytic enzymes in Lactobacillus plantarum. II. Intracellular concentrations of glycolytic intermediates in glucose-metabolizing washed cells. J Bact 87:1429-35, Jun 64
- Mladick RA  
Carey JS, Suzuki F, Mladick RA, Baker RJ, Shoemaker WC: Hemodynamic effects of low viscosity dextran in surgical shock. Surg Forum 15:22-4, 1964
- Moberg E  
Moberg E: Dressings, splints and postoperative care in hand surgery. Surg Clin N Amer 44:941-9, Aug 64
- Moberg E  
Moberg E: The treatment of mutilating injuries of the upper limb. Surg Clin N Amer 44:1107-13, Aug 64
- Moberg E  
Moberg E: Evaluation and management of nerve injuries in the hand. Surg Clin N Amer 44:1019-29, Aug 64
- Modell J  
Modell J, Schwartz S: Some antagonistic effects of "hematoporphyrin" and protoporphyrin in mice. Proc Soc Exp Biol Med 116:399-402, Jun 64
- Modell J  
Modell J, Schwartz S: Oxygen uptake and cardiovascular response of mice and rabbits administered "hematoporphyrin". Proc Soc Exp Biol Med 116:395-9, Jun 64
- Modell W  
Modell W: Safety in new drugs. JAMA 190:141-4, 12 Oct 64
- Moe GK  
Moe GK, Mendez C, Abildskov JA: A complex manifestation of concealed A-V conduction in the dog heart. Circ Res 15:51-63, Jul 64
- Moffat JE  
Bliss HA, Moffat JE: Hemodynamic events during the development of cyanosis and heart failure in a patient with large ventricular septal defect. Circulation 30:101-5, Jul 64
- Mohan H  
Mohan H, Sood GC: Conjugate deviation of the eyes after Cannabis indica intoxication. Brit J Ophthal 48:160-1, Mar 64
- Mohan H  
Mohan H, Sood GC: Blascovitz operation in a case of Marcus Gunn phenomenon. Brit J Ophthal 48:173-5, Mar 64
- Mohan M  
Agarwal LP, Malik SR, Mohan M, Khosla PK: Mycotic corneal ulcers. Brit J Ophthal 47:109-15, Feb 63
- Mohan M  
Agarwal LP, Malik SR, Mohan M, Karwal PR: Retinitis pigmentosa. A new therapeutic approach. Brit J Ophthal 47:144-8, Mar 63
- Mohan M  
Agarwal LP, Mohan M, Malik SR, Sood GC: Intralamellar heterografts of frog cornea into rabbit cornea. Brit J Ophthal 47:14-30, Jan 63
- Mohler L  
Bennett JE, Mohler L: Arm tourniquet tolerance in unanesthetized adults. Surg Forum 15:463-5, 1964
- Moir JC  
Moir JC: The obstetrician bids, and the uterus contracts. Brit Med J 5416:1025-9, 24 Oct 64
- Moir JC  
Moir JC: Reconstruction of the urethra. J Obstet Gynaec Brit Comm 71:349-59, Jun 64
- Moldow CF  
Bleicher SJ, Moldow CF, Scherrer J, Goldner MG: A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. Metabolism 13:583-6, Jun 64
- Moliver S  
Sandberg H, Rezai M, Bellet S, Feinberg LJ, Moliver S, Gelber L: Fibrinolytic activity of human tissues from adult and infant cadavers. J Lab Clin Med 64:99-106, Jul 64
- Molphy R  
Molphy R, Rathus EM: Organic phosphorus poisoning and therapy. Med J Aust 2:337-40, 29 Aug 64
- Monaco AP  
Russell PS, Monaco AP: The biology of tissue transplantation. New Eng J Med 271:776-83, concl, 8 Oct 64
- Monaco AP  
Monaco AP, Wood ML, Russell PS: A simple method for the preparation of cell free transplantation antigens. Physical and biological properties. Surg Forum 15:133-5, 1964
- Monaco AP  
Gray JG, Monaco AP, Russell PS: Heterologous mouse anti-lymphocyte serum to prolong skin homografts. Surg Forum 15:142-4, 1964
- Moncrief JA  
Teplitz C, Epstein BS, Rose LR, Switzer WE, Moncrief JA: Pathology of low tracheostomy in children. Amer J Clin Path 42:58-63, Jul 64
- Moncrief JA  
Order SE, Moncrief JA: Vascular destruction and revascularization in severe thermal injuries. Surg Forum 15:37-9, 1964
- Money WL  
Levitz M, Money WL, Katz J, Dancis J: Relative transfer and binding of estradiol-6,7-3H and estradiol-16-14C by the guinea pig placenta. Endocrinology 74:949-54, Jun 64
- Monis B  
Monis B, Weinberg T: Aminopeptidase activity in myocardial infarction of man. A histochemical study. Amer J Path 44:867-76, Jun 64
- Monis B  
Monis B, Goldberg JD, Diamond EL: Alpha- and beta-d galactosidase activity of rat thyroid and spleen. A quantitative study. Proc Soc Exp Biol Med 116:580-2, Jul 64
- Mons W  
Kalan H, Murray MK, Mons W: Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. Cancer Res 24:570-81, May 64
- Montgomery RM  
Montgomery RM: Dermatologic care of the painful foot. J Bone Joint Surg [Amer] 46:1129-36, Jul 64
- Monties JR  
Courbier R, Monties JR, Villani M, Henry E: Les réactions tissulaires au contact des fils de suture non résorbables. (Etude expérimentale comparative) Presse Med 72:2233-4, 19 Sep 64 (Fr)
- Moody FG  
Moody FG, Durbin RP: Mechanism of water flow in gastric acid secretion. Surg Forum 15:309-10, 1964
- Moolhuysen TM  
Grosveld JC, Mighorst JA, Moolhuysen TM: Argininosuccinic aciduria in monilethrix. Lancet 2:789-91, 10 Oct 64
- Mooney AJ  
Mooney AJ: Diabetic retinopathy--a challenge. Brit J Ophthal 47:513-20, Sep 63
- Moore AE  
Moore AE, Cuba Caparó A: Tumors occurring in newborn mice after inoculation of human cancer material. Cancer Res 24:785-9, Jun 64
- Moore EN  
Moore EN, Morse HT, Price HL: Cardiac arrhythmias produced by catecholamines in anesthetized dogs. Circ Res 15:77-82, Jul 64
- Moore EW  
Strohmeyer GW, Miller SA, Scarlata RW, Moore EW, Greenberg MS, Chalmers TC: Effects of hypoxia on iron absorption and mobilization in the rat. Amer J Physiol 207:55-61, Jul 64
- Moore EW  
Jick H, Sweet RH, Smith W, Macgaffey K, Snyder JG, Moore EW: The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. Clin Sci 28:397-403, Jun 64
- Moore FD  
Lister J, Kinney JM, Moore FD: Correlation between total exchangeable potassium and resting energy expenditure. Surg Forum 15:83-4, 1964
- Moore GE  
Nadler SH, Moore GE: Fluorouracil colon-rectum adjuvant chemotherapy. Arch Surg (Chicago) 89:592-5, Oct 64
- Moore JH  
Moore JH, Williams DL: The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. Brit J Nutr 18:431-48, 1964
- Moore KE  
Moore KE: The role of endogenous norepinephrine in the toxicity of d-amphetamine in aggregated mice. J Pharmacol Exp Ther 144:45-51, Apr 64
- Moore RY  
Harvey JA, Heller A, Moore RY, Hunt HF, Roth LJ: Effect of central nervous system lesions on barbiturate sleeping time in the rat. J Pharmacol Exp Ther 144:24-36, Apr 64
- Moore WT  
Tidwell HC, McPherson JC, Moore WT, Pope JL, Freeman A: Lipolytic activity in the blood after fasting ingestion. Proc Soc Exp Biol Med 116:720-3, Jul 64
- Moorhead JF  
Moorhead JF, Patel AR: Influence of sex and ABO blood group on the normal lymphocyte transfer test. Brit Med J 5417:1111-3, 31 Oct 64
- Moos RH  
Solomon GF, Moos RH, Stone GC, Fessel WJ: Peripheral vasoconstriction induced by emotional stress in rats. Angiology 15:362-5, Aug 64
- Morales O  
Morales O, Nilsson S, Romanus R: Urethrographic studies of the posterior urethra. II. Emptying of the prostatic urethra. Acta Radiol [Diagn] (Stockholm) 2:305-15, Jul 64
- Moran E  
Moran E, Ungar H: The effect of intermittent administration of alpha-naphthyl isothiocyanate to rats. Amer J Path 44:947-60, Jun 64
- Moran JJ  
Putney FJ, Moran JJ: Cartilaginous tumors of the larynx. Ann Otol 73:370-80, Jun 64
- More RH  
Wyllie JC, More RH, Haust MD: Demonstration of fibrin in yellow aortic streaks by the fluorescent antibody technique. J Path Bact 88:335-8, Jul 64
- Moreau F  
Rivière J, Lasserre M, Kermarec J, Laubie B, Latapie JL, Moreau F: "Vrais" et "faux" syndromes de Klinefelter. Presse Med 72:2511-3, 17 Oct 64 (Fr)
- Moreau P  
Fureux J, Armstrong RE, Moreau P, Nagler FP: Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. II. Studies on type 3 strains. Amer J Hyg 80:55-61, Jul 64
- Moreland FB  
Sparkman TC, Moreland FB: Serum manganese in myocardial infarction. Proc Soc Exp Biol Med 116:778-81, Jul 64
- Morillo G  
Morillo G, Bianchi M: Cerebral hemangioblastomas: review of literature and report of two personal cases. J Neurosurg 20:254-64, Mar 63
- Morey ER  
Morey ER, Kenny AD: Effects of catecholamines on urinary calcium and phosphorus in intact and parathyroidectomized rats. Endocrinology 75:78-85, Jul 64
- Morgan AD  
Morgan AD: Inflammatory lesions simulating malignancy. Brit J Urol 36:Suppl:95-102, Jun 64
- Morgan AD  
Gowing NF, Morgan AD: Paratesticular tumours of connective tissue and muscle. Brit J Urol 36:Suppl:78-84, Jun 64
- Morgan DB  
Crooke AC, Butt WR, Palmer RF, Morris R, Morgan DB: The effect of human gonadotrophins on a patient with Simmonds's disease. Acta Endocr (Copenhagen) 46:292-9, Jun 64
- Morgan G  
Lister A, Morgan G: Choroidal haemangioma-endothelioma. Brit J Ophthal 47:215-21, Apr 63
- Morgan J  
Laver MB, Morgan J, Bendixen HH, Radford EP Jr: Lung volume, compliance, and arterial oxygen



# ABRIDGED INDEX MEDICUS

- tensions during controlled ventilation. *J Appl Physiol* 19:725-33, Jul 64
- Morgan JM**  
**Morgan JM, Morgan RE:** Study of the effect of uremic metabolites on erythrocyte glycolysis. *Metabolism* 13:629-35, Jul 64
- Morgan RE**  
**Morgan JM, Morgan RE:** Study of the effect of uremic metabolites on erythrocyte glycolysis. *Metabolism* 13:629-35, Jul 64
- Mori PA**  
**Mori PA, Anderson AE Jr, Eckert P:** The radiological spectrum of aging and emphysematous lungs. *Radiology* 83:48-57, Jul 64
- Morris A**  
**Madden SC, Morris A, Dixon FJ, Bennett IL:** Panel discussion. The need for staff and facilities to develop the research potential in pathology. *Lab Invest* 13:683-93, Jun 64
- Morris AR**  
**Morris AR:** The expanding view of pathology. *Lab Invest* 13:597-601, Jun 64
- Moroney JD**  
**Olmsstead RW, Alvarez MC, Moroney JD, Eversden M:** The pattern of hearing following acute otitis media. *J Pediatr* 65:252-5, Aug 64
- Morowitz HJ**  
**Tourtellotte ME, Morowitz HJ, Kasimer P:** Defined medium for Mycoplasma laidlawii. *J Bact* 88:11-5, Jul 64
- Morris CR**  
**Bryan GT, Brown RR, Morris CR, Price JM:** In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders. *Cancer Res* 24:586-95, May 64
- Morris JM**  
**Nachemson A, Morris JM:** In vivo measurements of intradiscal pressure. Discometry, a method for the determination of pressure in the lower lumbar discs. *J Bone Joint Surg [Amr]* 46:1077-92, Jul 64
- Morris L**  
**Henderson DA, Witte JJ, Morris L, Langmuir AD:** Paralytic disease associated with oral polio vaccines. *JAMA* 190:41-8, 5 Oct 64
- Morris R**  
**Crooke AC, Butt WR, Palmer RF, Morris R, Morgan DB:** The effect of human gonadotrophins on a patient with Simmonds's disease. *Acta Endocr (Copenhagen)* 46:292-9, Jun 64
- Morris RN**  
**Lavis JR, Morris RN, Hollinger MA:** Incorporation of L-lysine-U-14 into proteins of cryptorchid testis slices. *Amer J Physiol* 207:50-4, Jul 64
- Morrison DL**  
**Morrison DL:** Recurrent hydatidiform mole. A case report of 3 consecutive moles. *J Obstet Gynaec Brit Comm* 71:640-2, Aug 64
- Morrison FD**  
**Morrison FD:** An aid to repair of lacerated tear ducts. *Arch Ophthalmol (Chicago)* 72:341-2, Sep 64
- Morrison JF**  
**Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A:** Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Morrison JF**  
**Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A:** Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Morrison M**  
**Morrison M, Hori S:** Cytochrome c oxidase components. IV. Chemical distinction between cytochromes alpha- and alpha-3. *J Biol Chem* 239:1432-7, May 64
- Morrison M**  
**Hori S, Morrison M:** Cytochrome c oxidase components. V. A cytochrome alpha preparation free of cytochrome alpha-3. *J Biol Chem* 239:1438-41, May 64
- Morrow AG**  
**Mason DT, Braunwald E, Ross J Jr, Morrow AG:** Diagnostic value of the first and second derivatives of the arterial pressure pulse in aortic valve disease and in hypertrophic subaortic stenosis. *Circulation* 30:90-100, Jul 64
- Morrow AG**  
**Reis RL, Gay WA Jr, Braunwald NS, Morrow AG:** Gradual closure of aortopulmonary septal defects. *Surg Forum* 15:266-7, 1964
- Morrow AG**  
**McLaughlin JS, Buckley MJ, Berry WB, Morrow AG:** Pulmonary vascular responses to hypoxia and their modification by pharmacologic sympathectomy. *Surg Forum* 15:185-6, 1964
- Morrow AG**  
**Brawley RK, Morrow AG, Braunwald E:** Direct determinations of aortic regurgitant flow in man. *Surg Forum* 15:259-61, 1964
- Morrow DH**  
**Buckley MJ, McLaughlin JS, Fort L 3d, Saigusa M, Morrow DH:** Effects of anesthetic agents on pulmonary vascular resistance during hypoxia. *Surg Forum* 15:183-4, 1964
- Morse HT**  
**Moore EN, Morse HT, Price HL:** Cardiac arrhythmias produced by catecholamines in anesthetized dogs. *Circ Res* 15:77-82, Jul 64
- Morson C**  
**(Strange H), Morson C:** The Hampstead General: bg innng and ending. *Brit Med J* 5417:1126-7, 31 Oct 64
- Mortada A**  
**Mortada A:** Orbital benign haemangio-endotheliomata. *Brit J Ophthalmol* 47:164-8, Mar 63
- Mortada A**  
**Mortada A:** Post-operative gangrene of eyelid. *Brit J Ophthalmol* 48:114-7, Feb 64
- Mortada A**  
**Mortada A:** Multiple methods technique for intra-capsular cataract extraction. *Brit J Ophthalmol* 47:753-6, Dec 63
- Mortada A**  
**Mortada A:** Malignant salivary gland tumours of the nasal sinuses and exophthalmos. *Brit J Ophthalmol* 47:279-84, May 63
- Mortada A**  
**Mortada A:** Corneal opacity after partial lamellar keratectomy. *Brit J Ophthalmol* 47:45-9, Jan 63
- Mortada A**  
**Mortada A:** Rectangular autogenous lamellar keratoplasty. *Brit J Ophthalmol* 47:232-6, Apr 63
- Mortada A**  
**Mortada A:** Cyst of duct of Krause's gland. *Brit J Ophthalmol* 47:375-9, Jun 63
- Mortada A**  
**Mortada A:** Unilateral ptosis of unexplained origin. II. *Brit J Ophthalmol* 47:445-8, Jul 63
- Mortada A**  
**Mortada A, Imam IZ:** Virus aetiology of Behcet's syndrome. *Brit J Ophthalmol* 48:250-9, May 64
- Mortens J**  
**Mortens J, Christensen P:** Traumatic separation of the upper femoral epiphysis as an obstetrical lesion. *Acta Orthop Scand* 34:238-50, 1964
- Morton EV**  
**Hale LJ, Morton EV, Spooner DF, Woolfe G:** New penicilline. *Brit Med J* 5414:940, 10 Oct 64
- Morton P**  
**Boyle DM, Morton P, Pantridge JF:** The electrocardiogram in pulmonary valve stenosis with intact ventricular septum. *Brit Heart J* 26:477-80, Jul 64
- Morton RK**  
**Morton RK, Sturtevant JM:** Kinetic investigations of yeast L-lactate dehydrogenase (cytochrome b2). I. The dehydrogenation of L-lactate in the presence and absence of ferricyanide as electron acceptor. *J Biol Chem* 239:1614-24, May 64
- Morton WR**  
**Becker B, Morton WR:** Phenylthiourea taste testing and glaucoma. *Arch Ophthalmol (Chicago)* 72:323-7, Sep 64
- Morton WR**  
**Bishun NP, Morton WR:** Chromosome mosaicism in Stein-Leventhal syndrome. *Brit Med J* 5418:1200, 7 Nov 64
- (Morton WT)**  
**(Morton WT), (Jackson CT), Alper MH:** The ether controversy revisited (Morton WT), (Jackson CT). *Anesthesiology* 25:560-3, Jul-Aug 64
- Moseley JE**  
**Rabinowitz JG, Moseley JE:** The lateral lumbar spine in Down's syndrome: a new roentgen feature. *Radiology* 83:74-9, Jul 64
- Moseley RV**  
**Shell AG, Moseley RV, Murray JE:** Differential skin and renal homograft survival in dogs on immunosuppressive therapy. *Surg Forum* 15:166-8, 1964
- Moser HA**  
**Connolly JG, Moser HA, Tannenbaum M, Graff S, Veenema RF:** In vitro labeling and autoradiography of exfoliated cells in carcinoma of the human bladder. *Surg Forum* 15:489-90, 1964
- Moses AM**  
**Moses AM:** Inhibition of vasopressin release in rats by chlorpromazine and reserpine. *Endocrinology* 74:889-93, Jun 64
- Moses JM**  
**Moses JM, Ebert RH, Graham RC, Brine KL:** Pathogenesis of inflammation. I. The production of an inflammatory substance from rabbit granulocytes in vitro and its relationship to leucocyte pyrogen. *J Exp Med* 120:57-82, 1 Jul 64
- Mosonyi L**  
**Mosonyi L:** Diabetes mellitus and insipidus. *Brit Med J* 5415:1009, 17 Oct 64
- Moss AH**  
**Kosmin PJ, Ritz ND, Moss AH, Kaufman A:** Massive hemorrhage-scalps of newborn infants. *Amer J Dis Child* 108:413-7, Oct 64
- Moulder PV**  
**Rams JJ, Elchebberger L, Moulder PV:** Water and electrolyte structural studies on homotransplanted hearts. *Dis Chest* 46:165-73, Aug 64
- Mouloupoulos S**  
**Mouloupoulos S, Kehayoglou K, Stamatelopoulos S, Sideris D:** Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. *New Eng J Med* 271:895-7, 22 Oct 64
- Mount LA**  
**Mount LA:** Peru and neurosurgery on Project Hope. *J Neurosurg* 20:512-4, Jun 63
- (Mouquin M)**  
**(Mouquin M), Cathala J:** Marcel Mouquin (1891-1964) *Presse Med* 72:2353-5, 26 Sep 64 (Fr)
- Moy P**  
**Moy P, Sinha M, Sinha D, Furth J:** Specific immunoprecipitation of mouse thyrotropins in plasma and thyrotropic tumor extracts. *Proc Soc Exp Biol Med* 116:643-6, Jul 64
- Mozan AA**  
**Mozan AA, Mastrapa P:** Management of critical and chronic hypertension. *Industr Med Surg* 33:556-9, Aug 64
- Mozden PJ**  
**Mozden PJ, Parsons L:** Vaginal electro potentials—a new technique for assessing the estrogenic status of patients. *Surg Forum* 15:379-81, 1964
- Moses M**  
**Ramon Y, Moses M, Buchner A:** A fatal case of ameloblastoma (adamantinoma). *Brit J Plast Surg* 17:320-4, Jul 64
- Muckle TJ**  
**Muckle TJ:** Low in-vivo adhesive-platelet count in hereditary haemorrhagic telangiectasia. *Lancet* 2:880-2, 24 Oct 64
- Mudd JG**  
**Mudd JG, Aykent Y:** A new contrast medium: sodium iothalamate. A clinical evaluation in 135 cases. *Angiology* 15:350-2, Aug 64
- Mudd JG**  
**Rubeiz MT, Paletta FX, Mudd JG, Cooper T:** Lymphatic cineradiography. *Surg Forum* 15:461-3, 1964
- Mueller FO**  
**Mueller FO:** Techniques for full-thickness keratoplasty in rabbits using fresh and frozen corneal tissue. *Brit J Ophthalmol* 48:377-93, Jul 64
- Mueller H**  
**Mueller H, Franzen J, Rice RV, Ohon RE:** Characterization of cardiac myosin from the dog. *J Biol Chem* 239:1447-56, May 64
- Mueller WJ**  
**Lipton EL, Walsh LF, Mueller WJ, Salamy BA:** A respiratory alarm for infants. *J Pediatr* 65:294-6, Aug 64
- Mufson MA**  
**Webb PA, Johnson KM, Mufson MA:** A description of two newly-recognized rhinoviruses of human origin. *Proc Soc Exp Biol Med* 116:845-52, Jul 64
- Muirden KD**  
**Castor CW, Muirden KD:** Collagen formation in monolayer cultures of human fibroblasts. The effects of hydrocortisone. *Lab Invest* 15:560-74, Jun 64
- Mukawa J**  
**Andy OJ, Mukawa J, Melvin J:** Interamygdaloid propagation. *Surg Forum* 15:400-2, 1964
- Mukerji S**  
**Mukerji S:** Subcutaneous phycocytosis. *Brit Med J* 5415:1009-10, 17 Oct 64
- Muldoon RL**  
**Dolowy WC, Muldoon RL:** Studies of germfree animals. I. Response of mice to infection with influenza A virus. *Proc Soc Exp Biol Med* 116:365-71, Jun 64
- Mullan S**  
**Mullan S, Harper PV, Tani E, Vailati G, Lathrop KA:** A nuclear needle for use in neurosurgery. *J Neurosurg* 20:940-7, Nov 63
- Mullan S**  
**Mullan S, Harper PV, Hekmatpanah J, Torres H, Dobbin G:** Percutaneous interruption of spinal-pain tracts by means of a strontium-90 needle. *J Neurosurg* 20:931-9, Nov 63
- Mullan S**  
**Keegan HB, Mullan S:** Fractional cisternal pneumoencephalography in 100 patients with intracranial space-consuming lesions. *J Neurosurg* 20:318-20, Apr 63
- Müller G**  
**Müller G:** Zur Morphologie der akuten hyperpyretischen Toxikose des älteren Säuglings. *Deutsch Med Wschr* 89:1828-31, 25 Sep 64 (Ger)
- Müller HE**  
**Müller HE:** Über eine Nebenwirkung von Herzglykosiden auf die Viskosität des Blutes. *Blut* 10:56-60, Mar 64 (Ger)
- Muller W**  
**Smith LL, Muller W, Hinshaw DB:** The management of experimental endotoxin shock. The circulatory effects of levaterenol, hydrocortisone, phenoxymethylamine hydrochloride, and blood volume expansion. *Arch Surg (Chicago)* 89:630-6, Oct 64
- Müller W**  
**Schreier K, Müller W:** Idiopathische Hyperglycinämie (Glycinose) *Deutsch Med Wschr* 89:1739-43, 11 Sep 64 (Ger)
- Mullins JF**  
**Ston CJ, Mullins JF, Head ES:** Chronic paronychia—occupational material. *Arch Environ Health (Chicago)* 9:585-8, Nov 64
- Munday MC**  
**Munday MC:** A new stretcher. *Brit Med J* 5413:873, 3 Oct 64
- Mundth ED**  
**Mundth ED, DeFalco AT, Jacobson YG, Brettschneider L, McClenathan JE:** Importance of preventing renal vascular collapse during period of renal ischemia in kidney transplantation. *Surg Forum* 15:219-21, 1964
- Munro A**  
**Wyndham CH, Strydom NB, Munro A, MacPherson RK, Metz B, Schaff G, Schieber J:** Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. *J Appl Physiol* 19:607-12, Jul 64
- Munro A**  
**Wyndham CH, Plotkin R, Munro A:** Physiological reactions to cold of men in the Antarctic. *J Appl Physiol* 19:593-7, Jul 64
- Munro A**  
**Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A:** Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Munro A**  
**Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A:** Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Munro DS**  
**Dorrington KJ, Munro DS, Carneiro L:** Reduction of gamma globulin with long-acting thyroid-stimulating activity. *Lancet* 2:889-91, 24 Oct 64
- Munro HN**  
**Munro HN, McLean JT, Hird HJ:** Effect of protein intake on the ribonucleic acid of liver cell sap. *J Nutr* 83:186-92, Jul 64
- Munro ER**



# ABRIDGED INDEX MEDICUS

## N

- Fuller KM, Munro RR: Lymphatic drainage of bone marrow. *Aust New Zeal J Surg* 34:11-4, Aug 64
- Munroe WD, Lawson WJ, Holcomb TH: Hemolytic anemia due to aminosalicylic acid. Anemia with methemoglobinemia. *Amer J Dis Child* 108:426-9, Oct 64
- Munsick RA: Neurohypophyseal hormones of chickens and turkeys. *Endocrinology* 75:104-12, Jul 64
- Muntwyler E, Sannolone WR, Muntwyler E: Distribution of 5,5-dimethyl-2,4-oxazolidinedione (DMO) between plasma and erythrocytes. *Proc Soc Exp Biol Med* 116:582-5, Jul 64
- Murachi T, Inagami T, Murachi T: The mechanism of the specificity of trypsin catalysis. 3. Activation of the catalytic site of trypsin by alkylammonium ions in the hydrolysis of acetylcholine ethyl ester. *J Biol Chem* 239:1395-401, May 64
- Muraki T, Redmond DC 2d, Muraki T, Singleton AO Jr: Effects of recirculating jejunal loops on absorption and transit after massive bowel resection in dogs. *Surg Forum* 15:291-2, 1964
- Muramatsu M, Busch H: Studies on nucleolar RNA of the Walker 256 carcinosarcoma and the liver of the rat. *Cancer Res* 24:1028-34, Jul 64
- Murphy WH, Rosenblum ED: Genetic recombination by transduction between mannitol-negative mutants of *Staphylococcus aureus*. *Proc Soc Exp Biol Med* 116:544-8, Jun 64
- Murphy DL, Filkins JP, Murphy DL, Doty JM, Smith JJ: Effect of phenoxylbenzamine on phagocytic activity and shock mortality in the rat. *Proc Soc Exp Biol Med* 116:757-62, Jul 64
- Murphy DP, Murphy DP, Torrano EF: Day of conception in relation to length of menstrual cycle. A study of 65 conceptions resulting from isolated coitus. *Fertil Steril* 15:385-9, Jul-Aug 64
- Murphy FJ, Zelman S: Water metabolism and the psychiatric patient. *J Urol* 92:60-3, Jul 64
- Murphy GP, Gagnon JA: The alterations in glomerular filtration rate, osmolar, and free water clearance during mannitol osmotic diuresis. *J Urol* 92:17-24, Jul 64
- Murphy JP, Bortnick RJ, Murphy JP: Paraparesis with incontinence of bowel and bladder. A syndrome of bilateral subdural hematomas. *J Neurosurg* 20:352-3, Apr 63
- Murray DG: Wound infections after surgery for fractured hip. A follow-up study. *JAMA* 190:505-8, 9 Nov 64
- Murray JE, Billingham RE, Murray JE: Presentation to Rupert E. Billingham, D.Sc., F.R.S., of the honorary award of the American Association of Plastic Surgeons. *Plast Reconstr Surg* 34:117-20, Aug 64
- Murray JE, Veith FJ, Luck J, Murray JE: Splenectomy in immunosuppressive regimens in dog and man. *Surg Forum* 15:161-3, 1964
- Murray JE, Sheil AG, Moseley RV, Murray JE: Differential skin and renal homograft survival in dogs on immunosuppressive therapy. *Surg Forum* 15:166-8, 1964
- Murray JF, Murray JF: Venous oxygenation and circulatory responses to oxygen inhalation in acute anemia. *Amer J Physiol* 207:228-34, Jul 64
- Murray JG, Clark CG, Murray JG, Slessor IM, Wyllie JH: Complete vagotomy and its consequences: follow-up of 146 patients. *Brit Med J* 54:14:900-3, 10 Oct 64
- Murray JS: The production of food to supplement natural foods in the Bantu areas. *S Afr Med J* 38:628-9, 22 Aug 64
- Murray RK, Kalant H, Murray RK, Mons W: Effect of EDTA on leakage of proteins from slices of normal rat liver and DAB-induced hepatoma. *Cancer Res* 24:570-81, May 64
- Murray WR, Lucas DB, Inman VT: Treatment of non-union of fractures of the long bones by the two-plate method. *J Bone Joint Surg [Amer]* 46:1027-48, Jul 64
- Musca A, Balsano F, Pitucco G, Musca A, Di Noto V: New interpretation of oral glucose tolerance. *Lancet* 2:865, 17 Oct 64
- Mustakallio KK, Levenon E: Histochemical demonstration of heparin precipitating lipids in atherosclerotic aortas. *J Atheroscler Res* 4:370-2, Jul-Aug 64
- Muster AJ, Idriss FS, Muster AJ, Paul MH: Vectorcardiographic and ventricular pressure studies in utero and after birth using a special surgical technique. *Surg Forum* 15:389-91, 1964
- Mutlu F, Leopold IH: Allergic response of retinal vessel 6. After intravitreal foreign protein. *Arch Ophthalmol (Chicago)* 72:513-20, Oct 64
- Myer A (Willis T), Hierons R, Myer A: Willis's place in the history of muscle physiology. *Proc Roy Soc Med* 57:687-92, Aug 64
- Nabseth DC, Mayer RF, Eiken O, Nabseth DC: Nerve regeneration in replanted canine limbs. *Amer J Physiol* 206:1415-21, Jun 64
- Nachemson A, Nachemson A, Morris JM: In vivo measurements of intradiscal pressure. Discometry, a method for the determination of pressure in the lower lumbar discs. *J Bone Joint Surg [Amer]* 46:1077-92, Jul 64
- Naclerio EA, Naclerio EA: Penetrating wounds of the heart. Experience with 249 patients. *Dis Chest* 46:1-22, Jul 64
- Nadas AS, Gamba R, Hugenholz PG, Nadas AS: Accuracy of the phonocardiogram in assessing severity of aortic and pulmonic stenosis. *Circulation* 30:35-46, Jul 64
- Nadeau RA, James TN, Nadeau RA: The chronotropic action of tyramine studied by direct perfusion of the sinus node through its artery. *J Pharmacol Exp Ther* 144:83-8, Apr 64
- Nadkarni BB, Amromin GD, Gildenhorn HL, Solomon RD, Nadkarni BB: The synergism of x-irradiation and cholesterol-fat feeding on the development of coronary artery lesions. *J Atheroscler Res* 4:325-34, Jul-Aug 64
- Nadler SH, Moore GE: Fluorouracil colon-rectum adjuvant chemotherapy. *Arch Surg (Chicago)* 89:592-5, Oct 64
- Naets JP, Heuse A: Effect of anemic hypoxia on erythropoiesis of normal and uremic dogs with or without kidneys. *J Nucl Med* 5:471-9, Jun 64
- Naeye RL, Falsetti HL, Naeye RL, Tabakin BS, Hanson JS: Uncomplicated total anomalous pulmonary venous return below the diaphragm. Report of a case. *Dis Chest* 46:102-6, Jul 64
- Naficy K, Carver DH, Naficy K: Studies on viral inhibitors of biological origin. I. Inhibition of viral replication by protein-like constituents of bacteria. *Proc Soc Exp Biol Med* 116:548-52, Jun 64
- Nagao T, Ohye C, Kubota K, Hongo T, Nagao T, Narabayashi H: Ventrolateral and subventrolateral thalamic stimulation. Motor effects. *Arch Neurol (Chicago)* 11:427-34, Oct 64
- Nagashima C, Nakashio K, Fujino T: Meningioma and astrocytoma adjacent in the brain. *J Neurosurg* 20:995-9, Nov 63
- Nagler FP, Furez J, Armstrong RE, Yarosh W, Nagler FP: Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 1 strains. *Amer J Hyg* 80:45-54, Jul 64
- Nagler FP, Furez J, Armstrong RE, Moreau P, Nagler FP: Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. II. Studies on type 3 strains. *Amer J Hyg* 80:55-61, Jul 64
- Naguib M, Abdel Razzak M, Hassaballa AM, Naguib M: Volume changes of dialysate during peritoneal lavage as determined by means of radioactive isotopes. *J Nucl Med* 5:480-3, Jun 64
- Nahas GG, Verosky M, Schwartz I: Urinary excretion of THAM citrate orally administered. *Proc Soc Exp Biol Med* 116:378-82, Jun 64
- Nahas RA, Melrose DG, Bental HH, McMillan IK, Flege JB, Alvarez Diaz FR, Nahas RA, Fautley R, Carson J: The evolution of a mitral-valve prosthesis. *Lancet* 2:623-4, 19 Sep 64
- Nahmod VE, Nahmod VE, Lanari A: Abolition of autoregulation of renal blood flow by acetylcholine. *Amer J Physiol* 207:123-7, Jul 64
- Naimark A, West JB, Dollery CT, Naimark A: Distribution of blood flow in isolated lung; relation to vascular and alveolar pressures. *J Appl Physiol* 19:713-24, Jul 64
- Naimark A, Naimark A, Wasserman K, McIlroy MB: Continuous measurement of ventilatory exchange ratio during exercise. *J Appl Physiol* 19:644-52, Jul 64
- Naimuddin M, Balakrishnan E, Abraham JE, Naimuddin M: Unusual foreign body in the conjunctiva. *Brit J Ophthalmol* 47:250-2, Apr 63
- Najarian JS, Jacobson E Jr, Najarian JS: Role of the red blood cell antigens in homograft rejection. *Surg Forum* 15:138-9, 1964
- Najarian JS, Feldman JD: Quantitative measurement of transplantation immunity. *Surg Forum* 15:127-8, 1964
- Nakai Y, Yamamoto K, Nakai Y: Electron microscopic studies on the functions of the stria vascularis and the spiral ligament in the inner ear. *Ann Otol* 73:332-47, Jun 64
- Nakaizumi Y, Nakaizumi Y: The ultrastructure of Bruch's membrane. I. Human, monkey, rabbit, guinea pig, and rat eyes. *Arch Ophthalmol (Chicago)* 72:380-7, Sep 64
- Nakaizumi Y, Nakaizumi Y: The ultrastructure of Bruch's membrane. II. Eyes with a tapetum. *Arch Ophthalmol (Chicago)* 72:388-94, Sep 64
- Nakaizumi Y, Nakaizumi Y, Hogan MJ, Feeney L: The ultrastructure of Bruch's membrane. 3. The macular area of the human eye. *Arch Ophthalmol (Chicago)* 72:395-400, Sep 64
- Nakamoto S, Kolff WJ, Nakamoto S, Poutasse EF, Straffon RA, Figueroa JE: Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. *Circulation* 30:Suppl 2:23-35, Aug 64
- Nakamura RM, Kunitake GM, Fujita K, Reilly EB: Plasma-fibrinogen levels after long-term warfarin therapy. *Lancet* 2:821-2, 10 Oct 64
- Nakashio K, Nagashima C, Nakashio K, Fujino T: Meningioma and astrocytoma adjacent in the brain. *J Neurosurg* 20:995-9, Nov 63
- Nakayama K, Nakayama K: Pre-operative irradiation in the treatment of patients with carcinoma of the oesophagus and of some other sites. *Clin Radiol* 15:232-41, Jul 64
- Nalbandov AV, Koike TI, Nalbandov AV, Dimick MK, Matsumura Y, Lepkovsky S: Action of insulin upon blood glucose levels of fasted hypophysectomized, depancreatized and normal chickens. *Endocrinology* 74:944-8, Jun 64
- Nance FC, Edynak E, Caycedo A, Nance FC, Miller LD, Peskin GW: The role of serotonin in the digestive process. *Surg Forum* 15:301-3, 1964
- Narabayashi H, Yoshida M, Yanagisawa N, Shimazu H, Givre A, Narabayashi H: Physiological identification of the thalamic nucleus. *Arch Neurol (Chicago)* 11:435-43, Oct 64
- Narabayashi H, Ohye C, Kubota K, Hongo T, Nagao T, Narabayashi H: Ventrolateral and subventrolateral thalamic stimulation. Motor effects. *Arch Neurol (Chicago)* 11:427-34, Oct 64
- Nardi GL, Greep JM, Chambers DA, Skinner DB, McCrae CR, Nardi GL: Pancreatitis in the isolated perfused pancreas. *Surg Forum* 15:88-9, 1964
- Nash FD, Fujimoto M, Nash FD, Kessler RH: Effects of cyanide, Qo, and dinitrophenol on renal sodium reabsorption and oxygen consumption. *Amer J Physiol* 206:1327-32, Jun 64
- Nash FP, Smolik ED, Nash FP: Cerebral angiography. A brief outline of its history and experiences with conray, a new contrast medium. *Vasc Dis* 1:21-8, Jan 64
- Natali J, Lacombe M, Bruchon P, Vinardi G: Les traumatismes artériels vus tardivement. Conduite à tenir en leur présence. *Presse Med* 72:2273-8, 23 Sep 64 (Fr)
- Nath K, Nath K, Shukla BR: Posterior peripheral (eccentric) lenticonus: with a note on the evolution of lenticoni. *Brit J Ophthalmol* 47:760-3, Dec 63
- Nath K, Nath K, Vijay SD, Nema HV, Shukla BR: Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. *Brit J Ophthalmol* 48:162-4, Mar 64
- Nath K, Nath K, Shukla BR: Orbital leiomyoma and its origin. *Brit J Ophthalmol* 47:369-71, Jun 63
- Nath K, Nath K: Cyst of the incarcerated iris. First report of complication following cataract extraction. *Brit J Ophthalmol* 48:50-2, Jan 64
- Nath K, Nath K: Forceps extraction of slippery lenses in cases of cataract. *Brit J Ophthalmol* 48:105-8, Feb 64
- Nathan PW, Andrew J, Nathan PW: Lesions on the anterior frontal lobes and disturbances of micturition and defaecation. *Brain* 87:233-62, Jun 64
- Natzschka J, Hölischer PM, Natzschka J: Methämoglobinämie bei jungen Säuglingen durch nitritähnlichen Spinat. *Deutsch Med Wschr* 89:1751-4, 11 Sep 64 (Ger)
- Naunton RF, West CW, Naunton RF: The ototoxicity of chloroquine phosphate. *Arch Otolaryng (Chicago)* 80:407-12, Oct 64
- Nayalkar RG, Wiegshaus EH, Smith DW: Relationship of mycoside content and colony morphology for group 2 and group 3 unclassified mycobacteria. *J Bact* 88:255-9, Jul 64
- Naylor WG, Naylor WG, Emery PF: The positive inotropic activity of tetraethylammonium ions and their effect on radiocacal movement. *J Pharmacol Exp Ther* 144:116-23, Apr 64
- Naylor EJ, Dalgleish R, Naylor EJ: Bilateral eccentric fixation with no ocular deviation in a case of heredo-macular degeneration. *Brit J Ophthalmol* 47:11-3, Jan 63
- Naylor JJ, McCoy EE, Anast CS, Naylor JJ: The excretion of oxalic acid following deoxypyridoxine and tryptophan administration in mongoloid and nonmongoloid subjects. *J Pediatr* 65:208-14, Aug 64
- Neal FC, Simpson CF, Neal FC: Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. *Proc Soc Exp Biol Med* 116:334-6, Jun 64
- Neal RA, Pearson WN: Studies of thiamine metabolism in the rat. I. Metabolic products found in urine. *J Nutr* 83:343-50, Aug 64
- Neal RA, Pearson WN: Studies of thiamine



# ABRIDGED INDEX MEDICUS

- metabolism in the rat. II. Isolation and identification of 2-methyl-4-amino-5-pyrimidinocarboxylic acid as a metabolite of thiamine in rat urine. *J Nutr* 83:351-7, Aug 64
- Neches H**  
Dworkin BR, Wolach A, Neches H: Recording viscometer for nonhomogeneous biological fluids. *J Appl Physiol* 19:798-800, Jul 64
- Nedelkoska N**  
Boyd JF, Nedelkoska N: Inclusion-bearing cells in urinary sediment in infectious diseases. *J Path Bact* 88:115-24, Jul 64
- Néel JL**  
Néel JL, Michel J, Thureau J: Les thromboses des veines profondes du membre supérieur gauche. *Presse Med* 72:2373-6, 3 Oct 64 (Fr)
- Neesby T**  
Orloff MJ, Baddeley RM, Ross TH, Nutting RO, Halass NA, Neesby T: Regulation of aldosterone secretion by an hepatic receptor. *Surg Forum* 15:74-6, 1964
- Neff N**  
Neff N, Rossi GV, Chase GD, Rabinowitz JL: Distribution and metabolism of mescaline-C14 in the cat brain. *J Pharmacol Exp Ther* 144:1-7, Apr 64
- Nelkirk RL, Krieg NR**: Sulfonamide resistance of *Clostridium sporogenes*. *J Bact* 87:1526-7, Jun 64
- Neill DW**  
Gibson JB, Carson NA, Neill DW: Pathological findings in homocystinuria. *J Clin Path* 17:427-37, Jul 64
- Neill SA**  
Kirsch MM, Neill SA, Coon WW, Zuidema GD: The role of portal systemic shunting in experimental ammonia intoxication. *Surg Forum* 15:100-1, 1964
- Nell EE**  
Hardy PH Jr, Lee YC, Nell EE: Use of a bacterial culture filtrate as an aid to the isolation and growth of anaerobic spirochetes. *J Bact* 87:1521-5, Jun 64
- Nelsen TS**  
Oberhelman HA Jr, Nelsen TS: Surgical consideration in the management of ulcerogenic tumors of the pancreas and duodenum. *Amer J Surg* 108:132-41, Aug 64
- Nelsen TS**  
Bunker CE, Nelsen TS: Use of the electroenterogram to determine pacemaker activity of the small intestine. *Surg Forum* 15:293, 1964
- Nelson BM**  
Nelson BM, Andrews GA: Breast cancer and cytologic dysplasia in many organs after busulfan (myleran). *Amer J Clin Path* 42:37-44, Jul 64
- Nelson DA**  
Nelson DA: Spinal cord compression due to vertebral angiomas during pregnancy. *Arch Neurol (Chicago)* 11:408-13, Oct 64
- Nelson ER**  
Nelson ER, Bierman HR, Chulajata R: Hematologic findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand. *Amer J Trop Med* 13:642-9, Jul 64
- Nelson ER**  
Nelson ER, Bierman HR: Dengue fever: a thrombocytopenic disease? *JAMA* 190:99-103, 12 Oct 64
- Nelson JR**  
Nelson JR, Dammkoehler R, Kawasaki M, Togawa K: Experimental observations of the relationships between upper airway obstruction and pulmonary function. *Ann Otol* 73:382-403, Jun 64
- Nelson JS**  
Rigden MC, Brigham DW 3d, Nelson JS, Hershey FB: Histogenesis of breast cancer. *Surg Forum* 15:356-7, 1964
- Nelson NM**  
Nelson NM, Prod'homme LS, Cherry RB: Nitrogen excretion by newborn infants during oxygen breathing. *J Pediatr* 65:299-300, Aug 64
- Nema HV**  
Srivastava SP, Nema HV: Optic neuritis in measles. *Brit J Ophthalmol* 47:180-1, Mar 63
- Nema HV**  
Nath K, Vijay SD, Nema HV, Shukla BR: Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. *Brit J Ophthalmol* 48:182-4, Mar 64
- Nesheim MC**  
Carew LB Jr, Hopkins DT, Nesheim MC: Influence of amount and type of fat on metabolic efficiency of energy utilization by the chick. *J Nutr* 83:300-6, Aug 64
- Neto MX**  
Brown HW, Neto MX, Goodsitt E: Multiple primary tumors of the intestine with massive resection and survival. *J Int Coll Surg* 42:360-6, Oct 64
- Netter A**  
Royer P, Frezal J, Hamburger J, Netter A, Pequignot H: Comment traiter les retards de croissance. *Presse Med* 72:2161-4, 12 Sep 64 (Fr)
- Netter A**  
Frezal J, Alagille D, Derot M, Hamburger J, Netter A, Royer P, Pequignot H: Comment reconnaître et traiter une glycogénose hépatique. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)
- Neuman WF**  
Taves DR, Neuman WF: Factors controlling calcification in vitro: the calcium phosphate ratio. *Proc Soc Exp Biol Med* 116:631-5, Jul 64
- Neumann H**  
Neumann H, Goldberger RF, Sela M: Interaction of phosphorothioate with the disulfide bonds of ribonuclease and lysozyme. *J Biol Chem* 239:1536-40, May 64
- Neumann LL**  
Gershberg H, Neumann LL, Mari S: Studies on vitamin D-resistant rickets; effects of human growth hormone. *Metabolism* 13:636-49, Jul 64
- Neumann MA**  
Neumann MA, Gajdusek DC, Zigas V: Neuropathologic findings in exotic neurologic disorders among natives of the highlands of New Guinea. *J Neuropath Exp Neurol* 23:486-507, Jul 64
- Nevšimál O**  
Roth B, Nevšimál O: EEG study of tetany and spasmodophilia. *Electroenceph Clin Neurophysiol* 17:36-45, Jul 64
- New PF**  
Ojemann RG, New PF: Spontaneous resolution of an intraventricular hematoma. Report of a case with recovery. *J Neurosurg* 20:899-902, Oct 63
- New PF**  
New PF, Baker E: Technique of arterial puncture. A new needle-cannula for arteriography. *J Neurosurg* 20:390-6, May 63
- Newcomer A**  
Waldstein SS, Dubin A, Newcomer A, McKenna CH: Determination of exogenous galactose in blood using "specially purified" glucose oxidase. *Clin Chem* 10:381-90, May 64
- Newcomer VD**  
Dzawachiswili N, Landau JW, Newcomer VD, Plunkett OA: The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. *J Invest Derm* 43:103-9, Aug 64
- Newcomer WS**  
Heninger RW, Newcomer WS: Plasma protein binding, half-life, and erythrocyte uptake of thyroxine and triiodothyronine in chickens. *Proc Soc Exp Biol Med* 116:624-8, Jul 64
- Newcomer WS**  
Ellis LC, Newcomer WS: Glucuronosyl transferase activity in livers of rat, dog, and sheep. *Proc Soc Exp Biol Med* 116:613-7, Jul 64
- Newcomer WS**  
Ellis LC, Newcomer WS: Delta 4-reductase and sulfokinase activities of rat and sheep liver preparations. *Proc Soc Exp Biol Med* 116:617-21, Jul 64
- Newell DJ**  
Pearce JM, Gubbay SS, Hardy J, Pennington RJ, Newell DJ, Walton JN: Laevadosin in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. *Brit Med J* 5414:915-7, 10 Oct 64
- Newell FW**  
Newell FW, Kurimoto S: Histochemistry of the retina in the alloxan-diabetic rat. *Brit J Ophthalmol* 47:598-600, Oct 63
- Newhouse MT**  
Newhouse MT, Becklake MR, Macklem PT, McGregor M: Effect of alterations in end-tidal CO2 tension on flow resistance. *J Appl Physiol* 19:745-9, Jul 64
- Newman D**  
Newman D, Vellios F: Adult carcinosarcoma (adult Wilms' tumor) of the kidney. *Amer J Clin Path* 42:45-54, Jul 64
- Newman MK**  
Newman MK: Weakness, atonia and wasting of the muscles in the aged: diagnostic methods. *J Amer Geriatr Soc* 12:665-76, Jul 64
- Newsom WT**  
Hansen AE, Wise HF, Adam DJ, Boelsche AN, Haggard ME, Davis H, Newsom WT, Pesut L: Influence of diet on blood serum lipids in pregnant women and newborn infants. *Amer J Clin Nutr* 15:11-9, Jul 64
- Newton JL**  
McConahay TP, Robinson S, Newton JL: d-Aldosterone and sweat electrolytes. *J Appl Physiol* 19:575-9, Jul 64
- Newton JW**  
Newton JW: The reversible interaction of sodium dodecyl sulfate with bacterial chromatophores. *J Biol Chem* 239:385-8, May 64
- Newton KJ**  
Devine R, Newton KJ, Spear FG: Pain following E.C.T. modified by muscle relaxants. *Brit Med J* 5416:1046-8, 24 Oct 64
- Newton M**  
Newton M, Odum PL: The menopause and its symptoms. *Southern Med J* 57:1309-13, Nov 64
- Ng JL**  
Chalmers JA, Ng JL: Ruptured uterus after buccal oxytocin. *Brit Med J* 5416:1070, 24 Oct 64
- Ngu VA**  
Ngu VA, Roberts D, Hall TC: Studies on folate reductase. I. Levels in regenerating rat liver and the effect of methotrexate administration. *Cancer Res* 24:989-93, Jul 64
- Ngu VA**  
Ngu VA: The lymphatic drainage of the leg and its implications. *Clin Radiol* 15:197-201, Jul 64
- Nice CM Jr**  
Nice CM Jr, Daves ML, Wood GH: Changes in bone associated with cyanotic congenital cardiac disease. *Amer Heart J* 68:25-31, Jul 64
- Nicholls JC**  
Nicholls JC: Complications of arterial puncture. *Brit Med J* 5413:877, 3 Oct 64
- Nichols SH**  
Anderson MC, Geurkink RE, Nichols SH: Measurement of steroid-induced hepatic functional derangement with the ammonia tolerance test. *Surg Forum* 15:103-5, 1964
- Nicholson HO**  
Nicholson HO: Ruptured uterus after buccal oxytocin. *Brit Med J* 5413:876-7, 3 Oct 64
- Nicol A**  
Sclaire G, Nicol A: Carcinoma of the thyroid in myxoedema. *J Clin Path* 17:438-43, Jul 64
- Nicol DJ**  
Davis RE, Nicol DJ: A new system for rapid haemoglobin estimations and leucocyte counts. *J Clin Path* 17:467-8, Jul 64
- Nicol EC**  
Cohen AI, Nicol EC, Richter W: Nerve growth factor requirement for development of dissociated embryonic sensory and sympathetic ganglia in culture. *Proc Soc Exp Biol Med* 116:784-9, Jul 64
- Nicolette JA**  
Nicolette JA, Gorski J: Cortisol effects on the uterine response to estrogen. *Endocrinology* 74:955-9, Jun 64
- Nicoloff DM**  
Lyons GW, Nicoloff DM, Chevalier P, Fox JJ: Systemic hypotension by polybasic polymers. *Surg Forum* 15:95-7, 1964
- Niederhuber JE**  
Niederhuber JE, Howe CT, Westerheide RL, Elliot DW: Influence of gastric freezing on antral function. *Surg Forum* 15:323-5, 1964
- Niederpruem DJ**  
Niederpruem DJ: Respiration of basidiospores of *Schizophyllum commune*. *J Bact* 88:210-5, Jul 64
- Nield JM**  
Nield JM: Primary carcinoma of the gallbladder. *Aust New Zeal J Surg* 34:43-6, Aug 64
- Nielsen NO**  
Nielsen NO, Feinendegen LE, Bond VP, Odartchenko N, Cottler H: In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. *Proc Soc Exp Biol Med* 116:498-501, Jun 64
- Niemi M**  
Niemi M, Tarkkanen A: Cholinesterases, monoamine oxidases, and phosphorylase in the iris muscles. *Arch Ophthalmol (Chicago)* 72:548-53, Oct 64
- Niemi M**  
Niemi M, Korman M: Cell renewal in the interstitial tissue of postnatal prepubertal rat testis. *Endocrinology* 74:996-8, Jun 64
- Niguidula FN**  
Niguidula FN, Thomson NB Jr: Bacterial infections in the heart. An experimental study on the influence of silk and synthetic sutures. *Arch Surg (Chicago)* 89:669-78, Oct 64
- Niklander S**  
Voutilainen A, Niklander S: Results of radiation dosimetry in telecobalt and roentgen therapy. *Ann Chir Gynaec Fenn* 53:357-63, 1964
- Nilsson S**  
Morales O, Nilsson S, Romanus R: Urethrographic studies of the posterior urethra. II. Emptying of the prostatic urethra. *Acta Radiol [Diagn] (Stockholm)* 2:305-15, Jul 64
- Nilwarangkul S**  
Berlyne GM, Varley H, Nilwarangkul S, Hoerni M: Endogenous-creatinine clearance and glomerular-filtration rate. *Lancet* 2:874-8, 24 Oct 64
- Nirankari MS**  
Nirankari MS, Greer CH, Chaddah MR: Malignant non-chromaffin paraganglioma in the orbit. *Brit J Ophthalmol* 47:357-63, Jun 63
- Nishiura M**  
Nishiura M, Ogawa J, Kanetsuna F, Toda E, Isowa N: Myeloid figures in lepra cells examined by phase-contrast and electron microscopy. *Int J Leprosy* 32:45-52, Jan-Mar 64
- Nitta R**  
Hayashi H, Nitta R, Miyashi H: Conditions of reactivation of arthus-type inflammation by thiol compounds. *Proc Soc Exp Biol Med* 116:417-20, Jun 64
- Niven CF Jr**  
Deibel RH, Niven CF Jr: Pyruvate fermentation by *Streptococcus faecalis*. *J Bact* 88:4-10, Jul 64
- Nixon JW**  
Nixon JW, Quinn JT: Alcoholism. *Brit J Clin Pract* 18:383-5, Jul 64
- Nixon PG**  
Ikram H, Nixon PG, Fox JA: The haemodynamic implications of the bisferiens pulse. *Brit Heart J* 26:452-9, Jul 64
- Nizan A**  
Abramson JH, Mann KJ, Nizan A, Goldberg R: Epidemiology of disability after work injuries. *Arch Environ Health (Chicago)* 9:572-80, Nov 64
- Nizan A**  
Mann KJ, Abramson JH, Nizan A, Goldberg R: Epidemiology of disabling work injuries in Israel. *Arch Environ Health (Chicago)* 9:505-13, Oct 64
- Nolan MF**  
Chinard FP, Enns T, Nolan MF: Arterial hematocrit and separation of cells and plasma in the dog kidney. *Amer J Physiol* 207:128-32, Jul 64
- Nolte NC**  
Nolte NC: Production and consumption of maize in South Africa. *S Afr Med J* 58:642-5, 22 Aug 64
- Noltmann EA**  
Noltmann EA: Isolation of crystalline phosphoglucose isomerase from rabbit muscle. *J Biol Chem* 239:1545-50, May 64
- Nora PF**  
Nora PF, Kukral JC, Preston FW: Infusion chemotherapy for abdominal malignancies. Methodology and preliminary report. *Arch Surg (Chicago)* 89:735-40, Oct 64
- Nora PF**  
Nora PF, Mittelpunkt AI, Haley HB, Laufman H: Protein bound iodine in the thyroid vein of man. *Surg Forum* 15:79-80, 1964
- Norden CW**  
Budd MA, Parker CW, Norden CW: Evaluation of intradermal skin tests in penicillin hypersensitivity. *JAMA* 190:203-5, 19 Sep 64
- Nordenstam H**  
Schisano G, Tovi D, Nordenstam H: Spongiosoblastoma polare of the cerebral hemisphere. *J Neurosurg* 20:241-51, Mar 63
- Nordentoft EL**  
Nordentoft EL: Completion of growth in the lower limbs in relation to biological development menarche, and inherited factors. *Acta Orthop Scand* 34:213-24, 1964
- Nordentoft EL**  
Nordentoft EL: The accuracy of orthoröntgenographic measurements. *Acta Orthop Scand* 34:283-8, 1964
- Nordin BE**  
Smith DA, Nordin BE: The effect of a high phosphorus intake on total and ultrafiltrable plasma



# ABRIDGED INDEX MEDICUS

- calcium and on phosphate clearance. Clin Sci 26:479-86, Jun 64
- Nordin BE**  
Heaney RP, Bauer GC, Bronner F, Dymling JF, Lafferty FW, Nordin BE, Rich C: A normal reference standard for radiocalcium turnover and excretion in humans. J Lab Clin Med 64:21-8, Jul 64
- Nordio S**  
Nordio S, Lamedica GM, Vignolo L, Berio A: Disaccharide intolerance and mucoviscidosis. Lancet 2:819, 10 Oct 64
- Norland CC**  
Norland CC, Semler HJ: Angina pectoris and arrhythmias documented by cardiac telemetry. JAMA 190:115-8, 12 Oct 64
- Norman A**  
Norman A, Ottoman RE, Sasaki M, Veomett RC: The frequency of dicentric in human leukocytes irradiated in vivo and in vitro. Radiology 83:108-10, Jul 64
- Norris JR**  
Norris JR, Bailie A: Immunological specificities of spore and vegetative cell catalases of *Bacillus cereus*. J Bact 88:264-5, Jul 64
- North KA**  
Hallwright GP, North KA, Reid JD: Pigmentation and Cushing's syndrome due to malignant tumor of the pancreas. J Clin Endocr 24:496-500, Jun 64
- Northfield DW**  
Rubinstein LJ, Northfield DW: The medulloblastoma and the so-called "arachnoidal cerebellar sarcoma". Brain 87:379-412, Jun 64
- Northover BJ**  
Northover BJ: The effect of various anti-inflammatory drugs on the accumulation of leucocytes in the peritoneal cavity of mice. J Path Bact 88:332-5, Jul 64
- Norton IL**  
Adams E, Norton IL: Purification and properties of inducible hydroxyproline 2-epimerase from *Pseudomonas*. J Biol Chem 239:1525-35, May 64
- Norwood WD**  
Norwood WD: Health program for radiation workers. Arch Environ Health (Chicago) 9:529-35, Oct 64
- Nosé Y**  
Nosé Y, Russell F, Grädel FO, Kantrowitz A: Permanently implanted, plastic, auxiliary left ventricle. Surg Forum 15:269-71, 1964
- Nourse L**  
Hawtrey AO, Schoeman CA, Dijkstra J, Schirren V, Nourse L: The effect of short-term feeding experiments with 3-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. Brit J Cancer 18:299-308, Jun 64
- Novelli GD**  
Taylor WH, Novelli GD: Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. J Bact 88:99-104, Jul 64
- Nowak T**  
Nowak T: Lipoproteinosis cutis et mucosae sive Hyalinosis cutis et mucosae (Morbus Urbach-Wiethe) Helv Paediat Acta 19:69-77, Jun 64 (Ger)
- Nozell H**  
Cabasso VJ, Nozell H, Rueggesser JM, Cox HR: Poliovirus antibody two years after oral trivalent vaccine (Sabin strains). JAMA 190:248-50, 19 Sep 64
- Nugent FW**  
Nugent FW, Warren KW, Jonasson H, Garcia De Paredes G: Early experience with trasylol in the treatment of acute pancreatitis. Southern Med J 57:1317-21, Nov 64
- Nusynowitz ML**  
Bethlenfalvay NC, Nusynowitz ML: Temporal arteritis; a rarity in the young adult. Arch Intern Med (Chicago) 114:487-9, Oct 64
- Nutt AB**  
Nutt AB, Ffooks OO: Muscle clamp for use in recession of the inferior oblique. Brit J Ophthal 48:54, Jan 64
- Nutting RO**  
Orloff MJ, Baddeley RM, Ross TH, Nutting RO, Halasz NA, Neesby T: Regulation of aldosterone secretion by an hepatic receptor. Surg Forum 15:74-6, 1964
- Nutting RO**  
Baddeley RM, Nutting RO, Ross TH, Sloop RD, Halasz NA, Orloff MJ: Gastric secretion in experimental liver disease. Surg Forum 15:114-6, 1964
- Nye WH**  
Nye WH: An assessment of the role of alpha and beta chylomicra in hyperlipemic states. Proc Soc Exp Biol Med 116:350-4, Jun 64
- Nyhus LM**  
Berci G, Stevenson JK, Nyhus LM, Harkins HN, Majewska A, Smuckler E: The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. Amer J Surg 108:250-6, Aug 64
- Nyhus LM**  
Condon RE, Nyhus LM, Harkins HN: Isolated perfused bovine liver: responses to common vasoactive drugs. Arch Surg (Chicago) 89:602-8, Oct 64
- Nyhus LM**  
Semb LS, Rheault MJ, Stevenson JK, Fletcher TL, Harkins HN, Nyhus LM: A gastric inhibitory substance from dog antral juice. Surg Forum 15:319-21, 1964
- Nylander G**  
Almén T, Nylander G: False signs of thrombosis in lower leg phlebography. Acta Radiol [Diagn] (Stockholm) 2:345-52, Jul 64
- Nylander G**  
Intonti F, Nylander G, Tjernberg B: Lymph vessels of the greater omentum. A preliminary investigation. Vasc Dis 1:203-5, Jul 64
- Nylander G**  
Areskog NH, Löf B, Nylander G, Sundquist O, Thoren L: Arteriovenous fistula between the common iliac artery and vein. Vasc Dis 1:113-8, Mar 64
- Nyström SH**  
Nyström SH: Development of intracranial aneurysms as revealed by electron microscopy. J Neurosurg 20:329-37, Apr 63
- O**
- Obeid AI**  
Khachadurian AK, Obeid AI: Nephropathy in essential familial hyperlipaemia. Lancet 2:911-2, 24 Oct 64
- Oberg B**  
Folkow B, Oberg B, Rubinstein EH: A proposed differentiated neuro-effector organization in muscle resistance vessels. Angiologica (Basel) 1:197-208, 1964
- Oberhelman HA Jr**  
Oberhelman HA Jr, Nelsen TS: Surgical consideration in the management of ulcerogenic tumors of the pancreas and duodenum. Amer J Surg 108:132-41, Aug 64
- Oberman B**  
Oberman B: Intracranial teratoma replacing brain. Report of a case. Arch Neurol (Chicago) 11:423-6, Oct 64
- Obador S**  
Obador S: Some neurosurgical aspects of the so-called phakomatoses. J Neurosurg 20:296-302, Apr 63
- Obant KO**  
Obant KO, Lindqvist S: Fertility after chemotherapy in male patients with genital tuberculosis. Fertil Steril 15:440-9, Jul-Aug 64
- O'Brien MF**  
Gerbode F, O'Brien MF, Kerth WJ, Robinson SJ: Surgical aspects of heart disease in infants under the age of two years. Amer J Surg 108:224-32, Aug 64
- O'Brien MJ**  
Drawnec W, O'Brien MJ, Goldsmith HJ, Bourdillon RE: Industrial methyl-bromide poisoning in fumigators. A case report and field investigation. Lancet 2:855-6, 17 Oct 64
- Ochsner JL**  
Ochsner JL, LeJeune FE Jr: Tracheal and esophageal obstructions in infants. Southern Med J 57:1333-9, Nov 64
- O'Connor GR**  
Hogan MJ, Kimura SJ, O'Connor GR: Ocular toxoplasmosis. Arch Ophthal (Chicago) 72:592-600, Nov 64
- O'Connor GR**  
Aronson SB, Yamamoto E, Goodner EK, O'Connor GR: The occurrence of an autoantibody in human uveitis. Arch Ophthal (Chicago) 72:621-5, Nov 64
- O'Connor MH**  
O'Connor MH, Holland PD: Mathew Harris O'Connor, 11 July 1895-20 June 1963. J Path Bact 88:358-60, Jul 64
- Odartchenko N**  
Nielsen NO, Feinendegen LE, Bond VP, Odartchenko N, Cottier H: In vitro uptake of tritiated thymidine by erythrocytic precursors following hemorrhage in the dog. Proc Soc Exp Biol Med 116:498-501, Jun 64
- Odum GL**  
Mahaley MS Jr, Smith JL, Odum GL: Ophthalmic arterial pressure and flow during extracorporeal perfusion of carotid of dogs and monkeys. J Neurosurg 20:1080-4, Dec 63
- Odum GL**  
Tindall GT, Odum GL, Dillon ML, Cupp HB Jr, Mahaley MS Jr, Greenfield JC Jr: Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. J Neurosurg 20:985-94, Nov 63
- Odum PL**  
Newton M, Odum PL: The menopause and its symptoms. Southern Med J 57:1309-13, Nov 64
- Oetting HF**  
Oetting HF, Purple JR, Coley VC, Krakoff IH, Burchenal JH: Potentiation of the anti-leukemic effects of 2-aminothiazole by isonicotinamide and derivatives. Cancer Res 24:689-92, May 64
- Offer JM**  
Darmady EM, Offer JM, Stranack F: Study of renal vessels by microdissection in human transplantation. Brit Med J 54:15:976-8, 17 Oct 64
- Ogasawara FX**  
Bohr LW, Ogasawara FX, Lorenz FW: Distribution of spermatozoa in the oviduct and fertility in domestic birds. I. Transport of spermatozoa in the fowl oviduct. J Reprod Fertil 8:49-58, Aug 64
- Ogasawara FX**  
Bohr LW, Lorenz FW, Ogasawara FX: Distribution of spermatozoa in the oviduct and fertility in domestic birds. I. Residence sites of spermatozoa in fowl oviducts. J Reprod Fertil 8:39-47, Aug 64
- Ogawa J**  
Nishiura M, Ogawa J, Kanetsuna F, Toda E, Isowa N: Myelinic figures in lepra cells examined by phase-contrast and electron microscopy. Int J Leprosy 32:45-52, Jan-Mar 64
- Ogg AJ**  
Ogg AJ: Multiple vaccinia of the eyelids. Brit J Ophthal 47:123-5, Feb 63
- Ogilvie RJ**  
Levatin P, Ogilvie RJ: Pseudo-Argyll Robertson pupils in optic nerve disease. Brit J Ophthal 48:109-13, Feb 64
- Ogle KN**  
Belau PG, Dyer JA, Ogle KN, Henderson JW: Correction of ametropia with intracorneal lenses. An experimental study. Arch Ophthal (Chicago) 72:541-7, Oct 64
- Ognibene AJ**  
Ditto WR, Ognibene AJ: Idiopathic pulmonary hemosiderosis without anemia. Report of two cases. Arch Intern Med (Chicago) 114:490-3, Oct 64
- Ogoniak J**  
Reardon JJ, Lustrin I, Ogoniak J, Burrows BB, Sawyer PN: In vitro studies of direct current coagulation. Surg Forum 15:235-7, 1964
- Ogura JH**  
Smith KR Jr, Schwartz HG, Luse SA, Ogura JH: Nasal gliomas: a report of five cases with electron microscopy of one. J Neurosurg 20:968-82, Nov 63
- Ogura R**  
Knox JM, Ogura R: Adherence of bath oil to keratin. Brit Med J 54:16:1048-50, 24 Oct 64
- Ohin A**  
Metcalfe W, Roach J, Ohin A: A quantitative expression for nitrogen retention with anabolic steroids. J. Nortestosterone dipropionate. Metabolism 13:539-46, Jun 64
- Oho K**  
Hayata Y, Hayashi M, Oho K, Shinoi K: Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. Dis Chest 46:51-60, Jul 64
- Ohshima H**  
Churney L, Ohshima H: An improved suction electrode for recording from the dog heart in situ. J Appl Physiol 19:793-8, Jul 64
- Ohye C**  
Ohye C, Kubota K, Hongo T, Nagao T, Narabayashi H: Ventrolateral and subventrolateral thalamic stimulation. Motor effects. Arch Neurol (Chicago) 11:427-34, Oct 64
- Ojemann RG**  
Ojemann RG, Jain KK: Carotid blood flow in Paget's disease of the skull. A study with electromagnetic flowmeter. J Neurosurg 20:471-3, Jun 63
- Ojemann RG**  
Ojemann RG, New PF: Spontaneous resolution of an intraventricular hematoma. Report of a case with recovery. J Neurosurg 20:899-902, Oct 63
- Ojemann RG**  
Ojemann RG, Miller C, Brownell GL: Extracranial measurement of regional cerebral blood flow by intracarotid injection of RISA. Surg Forum 15:407-8, 1964
- Oka M**  
Amirana MT, Rohman M, Oka M, Kikkawa Y, Gueft B, State D: Functional and pathologic changes in the reimplanted lung. Surg Forum 15:177-9, 1964
- Okamura ID**  
Okamura ID, Schepens CL, Brockhurst RJ, Regan CD, McMeel JW: The scleral buckling procedures. VII. Silicone implants in reoperations. Arch Ophthal (Chicago) 72:297-308, Sep 64
- Okazaki H**  
Garcia JH, Okazaki H, Aronson SM: Blood-group frequencies and astrocytomas. J Neurosurg 20:397-9, May 63
- Okina AJ**  
Glenn F, Okina AJ: Surgical problems and pulmonary function in the geriatric patient, including observations on a man purported to be 167 years old. J Amer Geriatr Soc 12:832-45, Jul 64
- Okina K**  
Kosaka K, Ide T, Kuzuya T, Miki E, Kuzuya N, Okina K: Insulin-like activity in pancreatic vein blood after glucose loading and epinephrine hyperglycemia. Endocrinology 75:9-14, Jul 64
- Oksala A**  
Oksala A: Experimental and clinical observations on the echograms in vitreous haemorrhages. Brit J Ophthal 47:65-70, Feb 63
- Okun E**  
Okun E, Cibis PA: The role of photocoagulation in the management of retinoschisis. Arch Ophthal (Chicago) 72:309-14, Sep 64
- Olds J**  
Olds J, Yuwiler A, Olds ME, Yun C: Neurohumors in hypothalamic substrates of reward. Amer J Physiol 207:242-54, Jul 64
- Olds ME**  
Olds J, Yuwiler A, Olds ME, Yun C: Neurohumors in hypothalamic substrates of reward. Amer J Physiol 207:242-54, Jul 64
- Oliver-Gonzalez J**  
Oliver-Gonzalez J, Rivera De Sala A, Cancio M: Flocculation of unsensitized bentonite particles by cancer serum. Proc Soc Exp Biol Med 116:409-11, Jun 64
- Olmstead EG**  
Olmstead EG, Granum JM: Osmotic and respiratory behavior of surviving rat liver cells. Proc Soc Exp Biol Med 116:327-31, Jun 64
- Olmsted RW**  
Olmsted RW, Alvarez MC, Moroney JD, Eversden M: The pattern of hearing following acute otitis media. J Pediat 65:252-5, Aug 64
- Olson C**  
Smithies LK, Olson C: Correlation of immunofluorescence and infectivity in the developing bovine cutaneous papilloma. Cancer Res 24:674-81, May 64
- Olson RE**  
Mueller H, Franzen J, Rice RV, Olson RE: Characterization of cardiac myosin from the dog. J Biol Chem 239:1447-56, May 64
- Olson RW**  
Olson RW, Baker HL Jr, Svien HJ: Arteriovenous fistula: a complication of vertebral angiography: report of a case. J Neurosurg 20:73-5, Jan 63
- Oltman JE**  
Oltman JE, Friedman S: Further report on protein-bound iodine in patients receiving perphenazine. Amer J Psychiat 121:176-8, Aug 64
- Omar MS**  
Farid Z, Bassily S, Omar MS: Ampicillin in treatment of *Salmonella typhi* carriers and *Brucella melitensis* septicemia. Lancet 2:763, 3 Oct 64
- Ommaya AK**  
Ommaya AK, Sadowsky D: A system of coding



# ABRIDGED INDEX MEDICUS

- medical data for punched-card machine retrieval. 1. As applied to epilepsy. *Epilepsia* (Amst) 5:192-200, Jun 64
- Ommaya AK**  
Baldwin M, Ommaya AK, Farrier R, MacDonald F: Mesial cerebral incision. *J Neurosurg* 20:679-86, Aug 63
- Ommaya AK**  
Ommaya AK, Baldwin M: Extravascular local cooling of the brain in man. *J Neurosurg* 20:8-20, Jan 63
- Ommaya AK**  
Baldwin M, Farrier R, MacDonald F, Ommaya AK: Cerebral deposition of drugs at low temperatures. *J Neurosurg* 20:637-46, Aug 63
- Onesti G**  
Padova J, Patchefsky A, Onesti G, Faludi G, Bendersky G: The effect of glucose loads on renal uric acid excretion in diabetic patients. *Metabolism* 13:507-12, Jun 64
- Ono K**  
Inokuchi K, Ono K: Venous replacement with synthetic graft covered with canine pseudointima. *Lancet* 2:700, 20 Sep 64
- Opalka E**  
Stein AA, Opalka E, Schlip AO: Fatty-acid analysis of meningiomas by gas-phase chromatography. *J Neurosurg* 20:435-8, May 63
- Opie LH**  
Ferris BG Jr, Mead J, Opie LH: Partitioning of respiratory flow resistance in man. *J Appl Physiol* 19:653-8, Jul 64
- Orbell G**  
Orbell G: Headaches and migraine associated with eyestrain. Preliminary report of a trial of chlorthalidopexide. *Brit J Ophthalmol* 47:246-7, Apr 63
- Order SE**  
Order SE, Moncrief JA: Vascular destruction and revascularization in severe thermal injuries. *Surg Forum* 15:37-9, 1964
- Ordway NK**  
Yankauer A, Ordway NK: Diarrheal disease and health services in Latin America. *Public Health Rep* 79:917-23, Oct 64
- O'Reilly RA**  
O'Reilly RA, Aggeler PM, Hoag MS, Leong LS, Kropatkin ML: Hereditary transmission of exceptional resistance to coumarin anticoagulant drugs. The first reported kindred. *New Eng J Med* 271:809-15, 15 Oct 64
- Orentreich N**  
Orentreich N, Berger R: Sulfamethoxazole therapy in pustular acne. *Curr Ther Res* 6:377-80, May 64
- Orinusi E**  
Björck G, Böttiger LE, Orinusi E: Leukocytosis during corticosteroid therapy. *Acta Med Scand* 176:127-8, Jul 64
- Orkin LR**  
Andrews IC, Orkin LR: Environmental cold and man. *Anesthesiology* 25:549-59, Jul-Aug 64
- Orloff MJ**  
Halasz NA, Orloff MJ: New freeze-protecting compounds and their screening. *Surg Forum* 15:214-5, 1964
- Orloff MJ**  
Orloff MJ, Baddeley RM, Ross TH, Nutting RO, Halasz NA, Neesby T: Regulation of aldosterone secretion by an hepatic receptor. *Surg Forum* 15:74-6, 1964
- Orloff MJ**  
Baddeley RM, Nutting RO, Ross TH, Sloop RD, Halasz NA, Orloff MJ: Gastric secretion in experimental liver disease. *Surg Forum* 15:114-6, 1964
- Oro L**  
Fröberg S, Oro L: The effect of carotid occlusion and central vagal stimulation on the free fatty acids of plasma and the blood pressure in the dog. *Acta Med Scand* 176:65-71, Jul 64
- Orshood MD**  
Orshood MD: Selection of blood donors. *New Eng J Med* 271:799-800, 8 Oct 64
- Osadjan CE**  
Osadjan CE, Randall WC: Effects of left stellate ganglion stimulation on left ventricular synchrony in dogs. *Amer J Physiol* 207:181-6, Jul 64
- Osborn GR**  
Osborn GR: Hypotension and coronary disease. *Amer Heart J* 68:135-7, Jul 64
- Osborn JJ**  
Popper RW, Selzer A, Osborn JJ, Kerth WJ, Robinson SJ, Gerboide F: Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. *Amer Heart J* 68:32-7, Jul 64
- O'Shea T**  
O'Shea T, Wales RG: Effects of potassium on ram spermatozoa during chilling to and storage at 5 degrees C. *J Reprod Fertil* 8:121-32, Aug 64
- Osheroff BJ**  
Osheroff BJ, Slocum GG, Decker WM: Status of botulism in the United States. *Public Health Rep* 79:871-8, Oct 64
- Oski FA**  
Mellman WJ, Oski FA, Tedesco TA, Maciera-Coelho A, Harris H: Leucocyte enzymes in Down's syndrome. *Lancet* 2:674-5, 20 Sep 64
- O'Steen WK**  
O'Steen WK: Serotonin suppression of luteinization in gonadotrophin-treated, immature rats. *Endocrinology* 74:885-8, Jun 64
- Ostman J**  
Ostman J: Effect of nicotinic acid on the fatty acid metabolism of adipose tissue in alloxan diabetic rats. *Metabolism* 13:675-80, Jul 64
- Ostow M**  
Ostow M: Specific value of drugs in psychiatric illness. *JAMA* 190:557-8, 9 Nov 64
- Ostrander LD Jr**  
Ostrander LD Jr, Weinstein BJ: Electrocardiographic changes after glucose ingestion. *Circulation* 30:87-76, Jul 64
- O'Sullivan JB**  
Bleicher SJ, O'Sullivan JB, Freinkel N: Carbohydrate metabolism in pregnancy. V. The interrelations of glucose, insulin and free fatty acids in late pregnancy and post partum. *New Eng J Med* 271:866-72, 22 Oct 64
- Oswald NC**  
Oswald NC: The specialty of chest medicine. *Brit Med J* 5414:935-9, 10 Oct 64
- Ota KY**  
Michaux MH, Hanlon TE, Ota KY, Kurland AA: Phenothiazines in the treatment of newly admitted state hospital patients: global comparison of eight compounds in terms of an outcome index. *Curr Ther Res* 6:331-9, May 64
- Otani N**  
Sumiyoshi K, Sumiyoshi M, Otani N, Kurono T: Changes of blood elements and the circulatory system in climbing. II. *Jap Circ J* 28:661-8, Sep 64
- Otani N**  
Sumiyoshi K, Sumiyoshi M, Otani N, Kurono T: Changes of blood elements and the circulatory system in climbing. 3. *Jap Circ J* 28:669-75, Sep 64
- Otenasek RJ**  
Otenasek RJ, Walker AE: The use of adhesive tapes for closure of scalp and skin. *J Neurosurg* 20:812-3, Sep 63
- Otis AB**  
Jaeger MJ, Otis AB: Measurement of airway resistance with a volume displacement body plethysmograph. *J Appl Physiol* 19:813-20, Jul 64
- Otis RD**  
Seoville WB, Manlapaz JS, Otis RD, Cabieses F: Intraspinal enterogenous cyst. *J Neurosurg* 20:704-6, Aug 63
- Otto HA**  
Otto HA: Research on human potentialities: application to geriatric programs. *J Amer Geriatr Soc* 12:677-86, Jul 64
- Ottoman RE**  
Norman A, Ottoman RE, Sasaki M, Veomett RC: The frequency of diencephalic in human leukocytes irradiated in vivo and in vitro. *Radiology* 83:108-10, Jul 64
- Ougier J**  
Ougier J, Copferman R, Mengus C: Leucémie aiguë myéloblastique à évolution prolongée et a localisation encéphalo-méningée isolée et tardive. *Presse Med* 72:2227-8, 19 Sep 64 (Fr)
- Ovary Z**  
Ovary Z, Bloch KJ, Benacerraf B: Identification of rabbit, monkey, and dog antibodies with PCA activity for guinea pigs. *Proc Soc Exp Biol Med* 116:840-5, Jul 64
- Ovary Z**  
Wiedermann G, Ovary Z, Miescher PA: Influence of mercaptoethanol treatment on skin sensitizing and complement binding ability of 7 S anti-dinitrophenol-bovine gamma globulin antibody. *Proc Soc Exp Biol Med* 116:448-52, Jun 64
- Ovenfors CO**  
Edling NP, Ovenfors CO: Intentional embolism in selective renal arteriography. An experimental study in dogs. *Acta Radiol [Diagn] (Stockholm)* 2:316-20, Jul 64
- Overbeck W**  
Büchner C, Bilger R, Overbeck W, Miklaw H, Reindell H: Geburt bei einer Patientin mit künstlichem Schrittmacher des Herzens. *Deutsch Med Wschr* 89:1932-3, 9 Oct 64 (Ger)
- Overton MC 3d**  
Overton MC 3d, Sheffel DD: Recurrent cystic formation in craniopharyngioma treated with radioactive chromic phosphate. Case report. *J Neurosurg* 20:707-10, Aug 63
- Owen CA Jr**  
Metzger WR, Owen CA Jr, Fouik WT, Hoffmann HN 2d: Bilirubin glucuronyl transferase activity in liver disease. *J Lab Clin Med* 64:89-98, Jul 64
- Owen EE**  
Owen EE, Robinson RR: Urea production and excretion by the chicken kidney. *Amer J Physiol* 208:1321-6, Jun 64
- Owen EE**  
Hayes CP Jr, Mayson JS, Owen EE, Robinson RR: A micropuncture evaluation of renal ammonia excretion in the rat. *Amer J Physiol* 207:77-83, Jul 64
- Owen JA**  
Scott DB, Owen JA, Richmond J: Methaemoglobinemia due to prilocaine. *Lancet* 2:728-9, 3 Oct 64
- Owen LN**  
Owen LN: The treatment of malignant tumours of bone in the dog by intra-arterial injection or perfusion of epodyl (triethyleneglycol diglycidyl ether). *Brit J Cancer* 18:407-18, Jun 64
- Owens G**  
Belmusto L, Brown E, Owens G: Clinical observations on respiratory and vasomotor disturbance as related to cervical cordotomies. *J Neurosurg* 20:225-32, Mar 63
- Owens G**  
Ausman JI, Owens G: The production of a virus-induced tumor in the central nervous system of monkeys. *J Neurosurg* 21:660-6, Aug 64
- Owens G**  
Costal M, Ausman J, Woldring S, Owens G: Monoventricular hypothermic perfusion. Cortical electric responses to anesthetic agents. *J Neurosurg* 20:675-8, Aug 63
- Owens G**  
Costal M, Owens G, Woldring S: Experimental production of cerebral hypothermia by ventricular perfusion techniques. *J Neurosurg* 20:112-7, Feb 63
- Owens G**  
Belmusto L, Woldring S, Owens G: Centrifugal respiratory pathway in the spinal cord. *Surg Forum* 15:418-9, 1964
- Owens JE**  
Eisenberg MM, Owens JE, Woodward ER: Androgenic effect on gastric secretion. *Surg Forum* 15:321-3, 1964
- Owens JN Jr**  
Ishmael WK, Owens JN Jr, Payne RW, Honick MD: Diabetes mellitus in patients with gouty arthritis. *JAMA* 190:396-8, 26 Oct 64

P

- Paal G**  
Böhme D, Paal G, Kersten W, Kersten H: Instability of myelin antigens derived from human brain. *Lancet* 2:886-8, 24 Oct 64
- Padlock RH**  
Padlock RH: Thiethylperazine in the management of postoperative nausea and vomiting. *J Int Coll Surg* 42:387-95, Oct 64
- Padgett F**  
Dmochowski L, Padgett F, Gross L: An electron microscope study of rat leukemia induced with mouse leukemia virus (Gross). *Cancer Res* 24:869-99, Jun 64
- Padova J**  
Padova J, Patchefsky A, Onesti G, Faludi G, Bendersky G: The effect of glucose loads on renal uric acid excretion in diabetic patients. *Metabolism* 13:507-12, Jun 64
- Pagano JS**  
Pagano JS, Plotkin SA, Cornely D: The response of premature infants to infection with type 3 attenuated poliovirus. *J Pediatr* 65:165-75, Aug 64
- Page IH**  
Skinner SL, McCubbin JW, Page IH: Control of renin secretion. *Circ Res* 15:64-76, Jul 64
- Paillass JA**  
Paillass JA, Bonnal J, Payan H, Pruvost A: Les thromboses puerpérales du sinus longitudinal supérieur. (Deux observations). *Presse Med* 72:2265-8, 23 Sep 64 (Fr)
- Paillass JE**  
Paillass JE, Bonnal J, Lavielle J: Angiographic images of false aneurysmal sac caused by rupture of median meningeal artery in the course of traumatic extradural hematomata: report of 3 cases. *J Neurosurg* 21:667-71, Aug 64
- Painter RB**  
Ginoza HS, Painter RB: Genetic recombination between the resistance transfer factor and the chromosome of *Escherichia coli*. *J Bact* 87:1339-45, Jun 64
- Pal NR**  
Stanley B, Pal NR: Fatal hyperpyrexia with phenelzine and imipramine. *Brit Med J* 5415:1011, 17 Oct 64
- Paletta FX**  
Rubeiz MT, Paletta FX, Mudd JG, Cooper T: Lymphatic cineradiography. *Surg Forum* 15:461-3, 1964
- Paliaga GP**  
Giardini A, Paliaga GP: Cataract extraction with optimum wound closure. *Brit J Ophthalmol* 48:133-8, Mar 64
- Palmer CA**  
Britten MJ, Palmer CA: Glaucoma and inactive syphilitic interstitial keratitis. *Brit J Ophthalmol* 48:181-90, Apr 64
- Palmer DF**  
Bucca MA, Palmer DF, Johnston JG, Winn JF: Antibody response in certain domestic animals to influenza viruses. *Proc Soc Exp Biol Med* 116:493-5, Jun 64
- Palmer KN**  
Palmer KN: The choice of hypotensive agents. *Practitioner* 193:43-9, Jul 64
- Palmer PH**  
Drury AB, Palmer PH, Highman WJ: Carcinomatous metastasis to the vertebral bodies. *J Clin Path* 17:448-57, Jul 64
- Palmer RF**  
Crooke AC, Butt WR, Palmer RF, Morris R, Morgan DB: The effect of human gonadotrophins on a patient with Simmonds's disease. *Acta Endocr (Copenhagen)* 46:292-9, Jun 64
- Palmer RF**  
Crooke AC, Butt WR, Palmer RF, Bertrand PV, Carrington SP, Edwards RL, Anson CJ: Clinical trial of human gonadotrophins. II. The effect of pituitary and urinary follicle stimulating hormone and chorionic gonadotrophin on patients with idiopathic secondary amenorrhoea. *J Obstet Gynaec Brit Comm* 71:571-85, Aug 64
- Palma C**  
Chiappa S, Galli G, Palma C: Observations on intralymphatic radiotherapy and general chemotherapy. *Clin Radiol* 15:202-9, Jul 64
- Paloheimo J**  
Paloheimo J, Merikallio E, Halonen PI, Peräsalo O: Mitral stenosis and mitral commissurotomy. Pre- and postoperative observations. *Ann Chir Gynaec Fenn* 53:289-304, 1964
- Palombo SR**  
Palombo SR, Bruch H: Falling apart: the verbalization of ego failure. *Psychiatry* 27:248-58, Aug 64
- Palumbo LT**  
Palumbo LT, Sharpe WS, Lulu DJ, Bloom MH, Dragstedt LR 2d, Lawson LJ: Distal antrectomy with vagotomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. *Arch Surg (Chicago)* 89:637-44, Oct 64
- Pampiglione G**  
Pampiglione G: Use and abuse of electroencephalography. *Lancet* 2:815, 10 Oct 64
- Pantelakis SN**  
Karaklis A, Vales T, Pantelakis SN, Daxiadis SA: Thymectomy in an infant with autoimmune haemolytic anaemia. *Lancet* 2:778-80, 10 Oct 64
- Pantridge JF**  
Boyle DM, Morton P, Pantridge JF: The electrocardiogram in pulmonary valve stenosis with intact ventricular septum. *Brit Heart J* 26:477-80, Jul 64



# ABRIDGED INDEX MEDICUS

- Paolletti P**  
Migliore A, Paolletti P, Villani R: Studies on the rate of disappearance of valine from the ventricular cavities in the rat. *Hydrocephalus*. J Neurosurg 48:3, Jul 64
- Papa S**  
Alifano A, Papa S, Tancredi F, Ellicio MA, Quagliariello E: Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder and kidney. *Brit J Cancer* 18:386-9, Jun 64
- Papahagi E**  
Papahagi E, Petresco C, Rosca E, Geambazu E: Histologie d'un mégaduodénum. *Presse Med* 72:2299-302, 23 Sep 64 (Fr)
- Papathodorou C**  
Teng P, Papathodorou C: Suprachiasmatic and intraventricular meningioma in a four-year-old child. *J Neurosurg* 20:174-6, Feb 63
- Papavasiliou C**  
Papavasiliou C, Garmatis C, Elias C, Kostouros D, Katharios N: Lung changes following cobalt therapy for carcinoma of the breast. *Clin Radiol* 15:242-5, Jul 64
- Pappas G**  
Pappas G, James JM, Bernatz PE, Schirger A: Femoral aneurysms. Review of surgical management. *JAMA* 190:489-93, 9 Nov 64
- Papper EM**  
Papper EM: Some reflections on mortality due to anesthesia. *Anesthesiology* 25:454-60, Jul-Aug 64
- Pappo R**  
Kagawa CM, Pappo R: Some biological properties of synthetic 18-hydroxytestosterone. *Endocrinology* 74:999-1000, Jun 64
- Paque C**  
Paque C: Adaptation des nomades du Sahara occidental aux eaux salées. Une mission scientifique au Cap Juby. *Presse Med* 72:2417-20, 3 Oct 64 (Fr)
- Paraense WL**  
Paraense WL, Ibañez N, Miranda H: Australorhis tenagophila in Peru, and its susceptibility to Schistosoma mansoni. *Amer J Trop Med* 13:534-40, Jul 64
- Pardo EG**  
Pardo EG, Vidrio H: Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. *J Pharmacol Exp Ther* 144:124-30, Apr 64
- Pare CM**  
Pare CM: Toxicity of psychotropic drugs. Side-effects and toxic effects of antidepressants. *Proc Roy Soc Med* 57:757-8, Aug 64
- Parétsky D**  
Parétsky D, Downs CM, Salmon CW: Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. *J Bact* 88:137-42, Jul 64
- Parfentjev IA**  
Parfentjev IA, Catelll AR: Tolerance of *Staphylococcus aureus* to sodium chloride. *J Bact* 88:1-3, Jul 64
- Parfitt AM**  
Parfitt AM: Cushing's syndrome with "normal" replacement dose of cortisone in pituitary hypothyroidism. *J Clin Endocr* 24:580-2, Jun 64
- Parfitt AM**  
Parfitt AM: A.T. 10. *Lancet* 2:843-4, 19 Sep 64
- Parisier HE**  
Parisier HE, Houssay AB, Zapata AC, Valerga AC, Funes JF: I-131-uptake in cervical mucus during the menstrual cycle. *Fertil Steril* 15:433-9, Jul-Aug 64
- Parisius W**  
Macmorine HG, Shimada FT, Kamocki B, Kunigells S, Parisius W: Separation of SV40 from poliovirus by extraction with 1-butanol. *Proc Soc Exp Biol Med* 116:310-3, Jun 64
- Parizková J**  
Parizková J, Stanková L: Influence of physical activity on a treadmill on the metabolism of adipose tissue in rats. *Brit J Nutr* 18:325-32, 1964
- Park HY**  
Belser FO, Park HY, Vetto RM: Factors influencing renal blood flow during isolated perfusion. *Surg Forum* 15:222-4, 1964
- Parker CW**  
Budd MA, Parker CW, Norden CW: Evaluation of intradermal skin tests in penicillin hypersensitivity. *JAMA* 190:203-5, 19 Sep 64
- Parker HE**  
Griffith FD, Parker HE, Rogier JC: Effect of dietary magnesium and fluoride on citric acid content of chick bones. *Proc Soc Exp Biol Med* 116:822-3, Jul 64
- Parker HR**  
Assali NS, Holm LW, Parker HR: Systemic and regional hemodynamic alterations in toxemia. *Circulation* 30:Suppl 2:53-62, Aug 64
- Parker J**  
Bulbrook RD, Deshpande N, Ellis FG, Hayward JL, Parker J, Thomas BS, Wang DY: Androgens in human breast cancer. *Proc Roy Soc Med* 57:523-5, Jun 64
- Parkins WM**  
Wollson SK Jr, Icos MV, Inouye WY, Parkins WM: Prolonged circulatory arrest with preferential cerebral hypothermia and resuscitation by external cardiac massage. *Surg Forum* 15:415-7, 1964
- Parkinson T**  
Parkinson T: Phaeochromocytoma presenting as postural hypotension. *Proc Roy Soc Med* 57:673-4, Aug 64
- Parks LW**  
Kerwar SS, Cheldelin VH, Parks LW: Valine-isoleucine metabolism in *Acetobacter suboxydans* and the inhibition of growth by valine. *J Bact* 88:179-86, Jul 64
- Parks LW**  
Sorsoli WA, Spence KD, Parks LW: Amino acid accumulation in ethionine-resistant *Saccharomyces cerevisiae*. *J Bact* 88:20-4, Jul 64
- Parr E**  
Platt BS, Gray PG, Parr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. *Brit J Nutr* 18:413-29, 1964
- Parr LJ**  
Lea CH, Parr LJ, L'Estrange JL, Carpenter KJ: Nutritional effects of autoxidized fats in animal diets. Beef fat in the diet of rats. *Brit J Nutr* 18:369-84, 1964
- Parrish HM**  
Parrish HM, Baker AS, Bishop FM: Epidemiology in public health planning for natural disasters. *Public Health Rep* 79:863-7, Oct 64
- Parsons L**  
Moxden PJ, Parsons L: Vaginal electro potentials—a new technique for assessing the estrogenic status of patients. *Surg Forum* 15:379-81, 1964
- Parvinen T**  
Autio V, Parvinen T: Results of surgery in the treatment of stenosis of the sphincter of Oddi. *Ann Chir Gynaec Fenn* 53:328-37, 1964
- Pascual S**  
Mackenzie GJ, Pascual S: Paroxysmal ventricular tachycardia. *Brit Heart J* 26:441-51, Jul 64
- Pasnick LJ**  
Cole J, Van Arsdell PP Jr, Pasnick LJ, Horan JD: Observations on the experimental reproduction of asthma with mold antigens. *J Allerg* 35:331-8, Jul-Aug 64
- Pasquils P**  
Lefrançois R, Pasquils P: Hypoxies. *Presse Med* 72:2525-9, 17 Oct 64 (Fr)
- Passanti GT**  
Passanti GT, Sirak HD: Influence of hypothermia and anoxia upon the biochemistry of heart muscle. *Surg Forum* 15:210-2, 1964
- Passingham RJ**  
Cavanagh JB, Passingham RJ, Vogt JA: Staining of sensory and motor nerves in muscles with sudan black B. *J Path Bact* 88:89-92, Jul 64
- Passmore R**  
Passmore R: How many calories? Food requirements reconsidered in relation to activity. *Lancet* 2:853-4, 17 Oct 64
- Pásztor E**  
Pásztor E, Szabó G, Slowik F, Zoltán J: Cavernous hemangioma of the base of the skull; report of a case treated surgically. *J Neurosurg* 21:582-5, Jul 64
- Patchefsky A**  
Padova J, Patchefsky A, Onesti G, Faludi G, Bendersky G: The effect of glucose loads on renal uric acid excretion in diabetic patients. *Metabolism* 13:507-12, Jun 64
- Pate JW**  
Pate JW, Birdsong S: Carotid air embolism. An experimental study in cats. *Arch Surg (Chicago)* 89:685, Oct 64
- Patel AR**  
Moorhead JF, Patel AR: Influence of sex and ABO blood group on the normal lymphocyte transfer test. *Brit Med J* 5417:1111-3, 31 Oct 64
- Patel J**  
Brown H, Patel J, Barsamian EM, Collins SC, McDermott WV Jr: Cold preservation of liver for homotransplantation. *Surg Forum* 15:215-7, 1964
- Patel YM**  
Houck JC, Patel YM: Collagenolytic activity of mammalian pancreas. *Proc Soc Exp Biol Med* 116:382-5, Jun 64
- Paternson GD**  
Paternson GD, Miller SJ: Hormonal influence in simple glaucoma. A preliminary report. *Brit J Ophthalmol* 47:129-37, Mar 63
- Pathak MA**  
Pathak MA, Burnett JW: The porphyrin content of skin. *J Invest Derm* 43:119-20, Aug 64
- Patno ME**  
Kaung DT, Whittington RM, Patno ME: Chemotherapy of chronic lymphocytic leukemia. *Arch Intern Med (Chicago)* 114:521-4, Oct 64
- Patrick RS**  
Patrick RS, Kennedy JS: S35-labelled amino acids in experimental liver disease. *J Path Bact* 88:107-14, Jul 64
- Patterson RM**  
Galloway NC, Patterson RM, Ray CT: Hypokalemic nephropathy of vomiting. *Southern Med J* 57:1303-8, Nov 64
- Patterson V**  
Kagen A, Tsuchiya G, Patterson V, Sugar O: Test for patency of ventriculovascular shunt for hydrocephalus with radioactive iodinated serum albumin. *J Neurosurg* 20:1025-8, Dec 63
- Pattison GN**  
Pattison GN: Experimental cataract section. A preliminary report. *Brit J Ophthalmol* 47:237-41, Apr 63
- Paul HA**  
Mehl RL, Paul HA, Hanashiro PK, Beattie EJ Jr: Successful treatment of crush and amputation shock following prolonged periods of ischemia. *Surg Forum* 15:1-3, 1964
- Paul M**  
Paul M: Choledochostasis-cholangiectasis of South-East Asia. *Aust New Zeal J Surg* 34:50-3, Aug 64
- Paul MH**  
Idries FS, Muster AJ, Paul MH: Vectorcardiographic and ventricular pressure studies in utero and after birth using a special surgical technique. *Surg Forum* 15:589-91, 1964
- Paul SD**  
Paul SD: Retinoschisis. Unusual features of the disease and its management. *Brit J Ophthalmol* 47:285-9, May 63
- Paul TM**  
Paul TM, Edward DW, Skoryna SC: Effect of acidic polysaccharides on bone uptake of radioactive strontium and calcium. *Surg Forum* 15:66-7, 1964
- Paulin S**  
Werko L, Paulin S, Cramer K: The use of coronary angiography in clinical investigation. *Proc Roy Soc Med* 57:664-7, Aug 64
- Pauline GJ**  
Paver WK, Pauline GJ: Hypertension and hyperpotassaemia without renal disease in a young male. *Med J Aust* 2:305-6, 22 Aug 64
- Paulson G**  
Paulson G: The avian EEG: an artifact associated with ocular movement. *Electroenceph Clin Neurophysiol* 16:611-3, Jun 64
- Paupé J**  
Mikol C, Paupé J: Les maladies avec auto-anticorps. Données cliniques et expérimentales. *Presse Med* 72:2521-4 contd, 17 Oct 64 (Fr)
- Pauzner YM**  
Kalter YE, Lieberman Y, Pauzner YM: Pitfalls in diagnosis of mediastinal tumors. Evaluation of 100 cases. *Dis Chest* 46:174-80, Aug 64
- Paver WK**  
Paver WK, Pauline GJ: Hypertension and hyperpotassaemia without renal disease in a young male. *Med J Aust* 2:305-6, 22 Aug 64
- Payan H**  
Payan H, Levine S, Strebel R: Effect of anoxic-ischemic procedure on experimental epilepsy in the rat. *Proc Soc Exp Biol Med* 116:454-6, Jun 64
- Payan H**  
Paillass JA, Bonnal J, Payan H, Pruvost A: Les thromboses puerpérales du sinus longitudinal supérieur. (Deux observations). *Presse Med* 72:2265-8, 23 Sep 64 (Fr)
- Payne GA**  
Stahlman M, LeQuire VS, Young WC, Merrill RE, Birmingham RT, Payne GA, Gray J: Pathophysiology of respiratory distress in newborn lambs. Circulatory, biochemical, and pathological considerations. *Amer J Dis Child* 108:376-93, Oct 64
- Payne RW**  
Ishmael WK, Owens JN Jr, Payne RW, Honick MD: Diabetes mellitus in patients with gouty arthritis. *JAMA* 190:396-8, 26 Oct 64
- Payne WS**  
Duvoisin GE, Fowler WS, Payne WS, Ellis FH Jr: Reimplantation of the dog lung with survival after contralateral pneumonectomy. *Surg Forum* 15:173-5, 1964
- Pazzanese D**  
Pazzanese D, Ramos OL, Lanfranchi W, Portugal OP, Finatti AA, Barreto HP, Sustovich DR: Serum-lipid levels in a Brazilian Indian population. *Lancet* 2:615-7, 19 Sep 64
- Peabody CN**  
Peabody CN: The Belgian medical crisis. *JAMA* 190:285, 26 Oct 64
- Peacock EE Jr**  
Phillips JL, Peacock EE Jr: Studies on wound contraction. *Surg Forum* 15:56-8, 1964
- Pearce JM**  
Pearce JM: Abnormal facial sweating. *Brit J Clin Pract* 18:409-12, Jul 64
- Pearce JM**  
Pearce JM, Gubbay SS, Hardy J, Pennington RJ, Newell DJ, Walton JN: Laevadosin in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. *Brit Med J* 5414:915-7, 10 Oct 64
- Pearse AG**  
Spiro HM, Pearse AG: A histochemical analysis of the effect of irradiation on murine duodenal mucosa. *J Path Bact* 88:55-60, Jul 64
- Pearson CM**  
Pearson CM: The periodic paralyses: differential features and pathological observations in permanent myopathic weakness. *Brain* 87:341-54, Jun 64
- Pearson CM**  
Kar NC, Pearson CM: Glutamic oxalacetic transaminase isoenzymes in human myopathies. *Proc Soc Exp Biol Med* 116:733-5, Jul 64
- Pearson D**  
Pearson D: The role of radiotherapy in the treatment of tumours in children. *J Clin Path* 17:423-6, Jul 64
- Pearson GR**  
Hines WD, Freeman BA, Pearson GR: Fine structure of *Brucella suis* spheroplasts. *J Bact* 87:1492-8, Jun 64
- Pearson H**  
Engel RR, Hammond D, Eitzman DV, Pearson H, Krivit W: Transient congenital leukemia in 7 infants with mongolism. *J Pediatr* 65:303-5, Aug 64
- Pearson JW**  
Lasagna L, De Kornfeld TJ, Pearson JW: The analgesic efficacy and respiratory effects in man of a benzomorphan "narcotic antagonist". *J Pharmacol Exp Ther* 144:12-6, Apr 64
- Pearson WN**  
Neal RA, Pearson WN: Studies of thiamine metabolism in the rat. II. Isolation and identification of 2-methyl-4-amino-5-pyrimidine arboxylic acid as a metabolite of thiamine in rat urine. *J Nutr* 83:351-7, Aug 64
- Pearson WN**  
Neal RA, Pearson WN: Studies of thiamine metabolism in the rat. I. Metabolic products found in urine. *J Nutr* 83:343-50, Aug 64
- Peart WS**



# ABRIDGED INDEX MEDICUS

- Peart WS:** Hypertension and the kidney. *Practitioner* 193:14-28, Jul 64
- Pece G**  
**Pece G:** Nerve Tumours of the vulva. Case report and commentary. *J Obstet Gynaec Brit Comm* 71:643-5, Aug 64
- Peck HM**  
**Peck HM, Woodhouse AF, Metcalf DP, McKinney SE, Hilleman MR:** New metabolizable immunologic adjuvant for human use. 2. Short-term animal toxicity tests. *Proc Soc Exp Biol Med* 116:523-30, Jun 64
- Peckham GB**  
**Peckham GB, Chrysohou A, Aldridge HE, Wigle ED:** Combined percutaneous retrograde aortic and transeptal left heart catheterization. *Brit Heart J* 26:460-8, Jul 64
- Pedowitz P**  
**Pedowitz P, Shlevin EL:** Review of management of pregnancy complicated by diabetes and altered carbohydrate metabolism. *Obstet Gynec* 23:718-29, May 64
- Peel J**  
**Peel J:** Utero-tubal implantation. *Proc Roy Soc Med* 57:710-4, Aug 64
- Pegrum GD**  
**Pegrum GD:** Actinomycotic lesions in the chorio-allantoic membrane of the chick embryo. *J Path Bact* 88:323-7, Jul 64
- Peitersen E**  
**Dyrbye MO, Peitersen E, Friis T:** Diagnostic value of 131-I in thyroid disorders. A study of 649 patients. *Acta Med Scand* 176:91-101, Jul 64
- Peitersen E**  
**Peitersen E:** Sudden loss of vestibular function after irrigation of the ear. *J Laryng* 78:494-6, Jul 64
- Pekala SJ**  
**Rosenberg RJ, Sarkar AK, Pekala SJ:** Endometrial stromaloma. Report of a case. *Obstet Gynec* 23:708-11, May 64
- Pekin TJ Jr**  
**Pekin TJ Jr, Zvaifler NJ:** Hemolytic complement in synovial fluid. *J Clin Invest* 43:1372-82, Jul 64
- Pellman CM**  
**Pellman CM, Runyon EH:** The significance of mycobacteria other than tubercle bacilli in the urine: a report of forty-two cases. *Amer Rev Resp Dis* 90:243-7, Aug 64
- Peltier LF**  
**Spencer DM, Peltier LF:** Deformities produced by operations on the rabbit fetus. *Surg Forum* 15:441-2, 1964
- Peltokallio P**  
**Silvola H, Peltokallio P:** Torsion of the appendix testis. *Ann Chir Gynaec Fenn* 53:400-7, 1964
- Pendleton JL**  
**Doell JW, Pendleton JL:** Wernicke's syndrome treated with parenteral and oral chloridiazepoxide. *Amer J Psychiat* 121:183, Aug 64
- Penick GD**  
**Roberts HR, Penick GD, Brinkhous KM:** Intensive plasma therapy in the hemophilias. *JAMA* 190:546-8, 9 Nov 64
- Pennell MY**  
**Pennell MY:** Statistics on physicians, 1950-63. *Public Health Rep* 79:905-10, Oct 64
- Penney DG**  
**Behr WT, Baker GD, Anthony WL, Penney DG:** Effect of hyocholic acid on cholesterol and bile acid metabolism in the mouse. *Proc Soc Exp Biol Med* 116:442-5, Jun 64
- Pennington RJ**  
**Pearce JM, Gubbay SS, Hardy J, Pennington RJ, Newell DJ, Walton JN:** Laevadosin in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. *Brit Med J* 5414:915-7, 10 Oct 64
- Penry JB**  
**James JA, Penry JB, Ross FG:** Tomography in atresia of the external auditory meatus. *Brit J Radiol* 37:511-25, Jul 64
- Pepys J**  
**Longbottom JL, Pepys J:** Pulmonary aspergillosis: diagnostic and immunological significance of antigens and C-substance in *Aspergillus fumigatus*. *J Path Bact* 88:141-51, Jul 64
- Pequignot H**  
**Royer P, Frezal J, Hamburger J, Netter A, Pequignot H:** Comment traiter les retards de croissance. *Presse Med* 72:2161-4, 12 Sep 64 (Fr)
- Pequignot H**  
**Frezal J, Alagille D, Derot M, Hamburger J, Netter A, Royer P, Pequignot H:** Comment reconnaître et traiter une glycogénose hépatique. *Presse Med* 72:2342-5, 26 Sep 64 (Fr)
- Pequignot H**  
**Auquier L, Bonis A, Hamburger J, Lhermitte F, Pequignot H:** Etat actuel du traitement de la maladie de Parkinson. *Presse Med* 72:2531-4, 17 Oct 64 (Fr)
- Pequignot H**  
**Rambert P, Alagille D, Derot M, Hamburger J, Royer P, Pequignot H:** Problèmes thérapeutiques posés par les diabètes instables. *Presse Med* 72:2229-31, 19 Sep 64 (Fr)
- Peräsalo O**  
**Mäloheimo J, Merikallio E, Halonen PI, Peräsalo O:** Mitral stenosis and mitral commissurotomy. Pre- and postoperative observations. *Ann Chir Gynaec Fenn* 53:289-304, 1964
- Perese DM**  
**Perese DM:** Age and sex factors in experimental brain tumors. *Surg Forum* 15:429-31, 1964
- Pérez JA**  
**Amadio GE, Pérez JA, Cafure N, Farias CE, Caminos R:** Comparative study between bacteriologic findings in patients with pulmonary tuberculosis and bacteriology of surgically resected lung tissue. *Dis Chest* 46:37-41, Jul 64
- Pérez-Borja C**  
**Chatrian GE, Pérez-Borja C:** Depth electrographic observations in two cases of photo-oculoclonic response. *Electroenceph Clin Neurophysiol* 17:71-5, Jul 64
- Perkins ES**  
**Perkins ES, Wood RM:** Auto-immunity in uveitis. *Brit J Ophthalmol* 48:61-9, Feb 64
- Perkins RL**  
**Perkins RL:** Apnea with intramuscular colistin therapy. *JAMA* 190:421-4, 2 Nov 64
- Perlas AP**  
**Perlas AP, Faillace LA:** Psychiatric manifestations of carcinoma of the pancreas. *Amer J Psychiat* 121:182, Aug 64
- Perlmutter JH**  
**Perlmutter JH:** Effect of vagotomy on renal function during water diuresis. *Proc Soc Exp Biol Med* 116:270-3, Jun 64
- Permutt S**  
**Johnsson JW, Permutt S, Sipple JH, Salem ES:** Effect of intra-alveolar fluid on pulmonary surface tension properties. *J Appl Physiol* 19:769-77, Jul 64
- Perolini C**  
**Perolini C:** Disques pour calculer deux indices de robusticité et un indice fonctionnel cardiaque. *Presse Med* 72:2199-200, 19 Sep 64 (Fr)
- Perot P**  
**Pollen DA, Reid KH, Perot P:** Micro-electrode studies of experimental 3/sec wave and spike in the cat. *Electroenceph Clin Neurophysiol* 17:57-67, Jul 64
- Perry H**  
**Sterling TD, Perry H, Katz L:** Automation of radiation treatment planning. IV. Derivation of a mathematical expression for the per cent depth dose surface of cobalt 60 beams and visualisation of multiple field dose distributions. *Brit J Radiol* 37:544-50, Jul 64
- Persidsky M**  
**Richards V, Braverman M, Florida R, Persidsky M, Lowenstein J:** Initial clinical experiences with liquid nitrogen preserved blood, employing PVP as a protective additive. *Amer J Surg* 108:313-22, Aug 64
- Persky L**  
**Yoho AV, Drach G, Koletsky S, Persky L:** Experimental evaluation of tissue adhesives in urogenital surgery. *J Urol* 92:56-9, Jul 64
- Persky L**  
**Hoffman A, Burger C, Persky L:** Influence of mannitol infusion upon extracorporeal renal storage. *Surg Forum* 15:500-1, 1964
- Persson B**  
**Larsson Y, Persson B, Sterky G, Thorén C:** Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. *J Appl Physiol* 19:629-35, Jul 64
- Perttala Y**  
**Perttala Y:** Prognosis of cancer of the testis. Follow-up study of 69 cases. *Ann Chir Gynaec Fenn* 53:349-56, 1964
- Perttala Y**  
**Kyllönen KE, Tala PM, Perttala Y:** The "subclavian steal" syndrome. Clinical and roentgenological observations in 8 cases. *Ann Chir Gynaec Fenn* 53:305-14, 1964
- Pesigan TP**  
**De la Cruz B, Pesigan TP, Banzon TC, Sevilla J, Donato C, Cruz A, Castro V:** A report on the labeling of *Schistosoma japonicum* cercariae with radioiron. *Amer J Trop Med* 13:545-7, Jul 64
- Peskin GW**  
**Edynak E, Caycedo A, Nance FC, Miller LD, Peskin GW:** The role of serotonin in the digestive process. *Surg Forum* 15:301-3, 1964
- Pestel M**  
**(Domagk G), Ravina A, Pestel M:** Gerhardt Domagk (1895-1964). *Presse Med* 72:2177-9, 12 Sep 64 (Fr)
- Pesut L**  
**Hansen AE, Wiese HF, Adam DJ, Boelsche AN, Haggard ME, Davis H, Newsom WT, Pesut L:** Influence of diet on blood serum lipids in pregnant women and newborn infants. *Amer J Clin Nutr* 15:11-9, Jul 64
- Peter J**  
**Wyndham CG, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Bahden MJ, Holdsworth LD, Van Graam CH, Van Rensburg AJ, Munro A:** Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Peters H**  
**Peters H, Levy E:** Radiation sensitivity of the mouse ovary: fertility and oocyte survival. *Fertil Steril* 15:407-18, Jul-Aug 64
- Peters JJ**  
**Peters JJ, Vonderahe AB, McDonough JJ:** Electrical changes in brain and eye of developing chick during hyperthermia. *Amer J Physiol* 207:260-4, Jul 64
- Peters LL**  
**Peters LL:** Hewers of wood and drawers of water. *Lancet* 2:634-7, 19 Sep 64
- Petersen I**  
**Kaiser E, Petersen I, Sellén U, Kagawa N:** EEG data representation in broad-band frequency analysis. *Electroenceph Clin Neurophysiol* 17:78-80, Jul 64
- Peterson CG**  
**Dennis DL, Peterson CG:** Candida albicans shock. *Surg Forum* 15:36-7, 1964
- Peterson OL**  
**Peterson OL:** Teaching diagnostic skills. *New Eng J Med* 271:1048-7, 12 Nov 64
- Peterson WC Jr**  
**Peterson WC Jr, Hult AM:** Calcifying epithelioma of Malherbe. *Arch Derm (Chicago)* 90:404-10, Oct 64
- Petrelli EA**  
**Petrelli EA, Forbes TR:** Toxicity of progesterone to mouse fetuses. *Endocrinology* 75:145-6, Jul 64
- Petresco C**  
**Papahagi E, Petresco C, Roseala E, Geambazu E:** Histoire d'un mégaduodénum. *Presse Med* 72:2299-302, 23 Sep 64 (Fr)
- Petrovick M**  
**Brumlik J, Wetzel N, Potter G, Petrovick M:** Quantitative criteria for the neurosurgical treatment of parkinsonism. *J Neurosurg* 20:21-33, Jan 63
- Pettit JH**  
**Pettit JH, Rees RJ:** Sulphone resistance in leprosy. An experimental and clinical study. *Lancet* 2:673-4, 20 Sep 64
- Pfaffner PM**  
**Drake CG, Pfaffner PM, Linell EA:** Intracavitary irradiation of malignant brain tumours. *J Neurosurg* 20:428-34, May 63
- Pfander WH**  
**Preston RL, Pfander WH:** Phosphorus metabolism in lambs fed varying phosphorus intakes. *J Nutr* 83:369-78, Aug 64
- Pfister RR**  
**Wolter JH, Pfister RR, Fechner PV:** Pathology of trabecular nerves in open-angle glaucoma. *Brit J Ophthalmol* 47:1-10, Jan 63
- Phaff HJ**  
**Lewis MJ, Phaff HJ:** Release of nitrogenous substances by brewer's yeast. 3. Shock excretion of amino acids. *J Bact* 87:1389-96, Jun 64
- Philipp EE**  
**Philipp EE:** Family planning in London teaching hospitals. *Brit Med J* 5417:1132, 31 Oct 64
- Philips JA**  
**Philips JA:** Grease-gun injury. *Brit Med J* 5418:1197, 7 Nov 64
- Philips BM**  
**Philips BM:** Temporal-lobe changes associated with the syndromes of basilar-vertebral insufficiency: an electroencephalographic study. *Brit Med J* 5417:1104-7, 31 Oct 64
- Phillips CI**  
**Phillips CI:** Distribution of breaks in aphakic and "senile" eyes with retinal detachments. *Brit J Ophthalmol* 47:444-52, Dec 63
- Phillips CI**  
**Phillips CI, Woodhouse DF:** Self-limiting acute closed-angle glaucoma with segmental iris shortening. *Brit J Ophthalmol* 47:547-54, Sep 63
- Phillips JL**  
**Phillips JL, Peacock EE Jr:** Studies on wound contraction. *Surg Forum* 15:56-8, 1964
- Phillips JR**  
**Phillips JR:** Removal of the carotid body for asthma and emphysema. *Southern Med J* 57:1278-81, Nov 64
- Phillips RE**  
**Lubash GD, Phillips RE, Shields JD 3d, Bonsnes RW:** Acute aniline poisoning treated by hemodialysis. Report of a case. *Arch Intern Med (Chicago)* 114:530-2, Oct 64
- Phillips RL**  
**Phillips RL:** Familial cerebral aneurysms. Case reports. *J Neurosurg* 20:701-3, Aug 63
- Phillips TL**  
**Phillips TL, Sheline GE, Boldrey E:** Therapeutic considerations in tumors affecting the central nervous system: ependymomas. *Radiology* 83:98-105, Jul 64
- (Physick PS)**  
**(Physick PS), Albert M:** Contributions of Philip Syng Physick. *Arch Ophthalmol (Chicago)* 72:725-8, Nov 64
- Pickering GW**  
**Richardson DW, Honour AJ, Fenton GW, Stott FH, Pickering GW:** Variation in arterial pressure throughout the day and night. *Clin Sci* 26:445-60, Jun 64
- Piel CF**  
**Shearn MA, Tu WH, Piel CF:** Recurrent nephrotic syndrome. *Arch Intern Med (Chicago)* 114:525-9, Oct 64
- Pierce DS**  
**Pierce DS, Wallace WM, Herndon CH:** Long-term treatment of vitamin-D resistant rickets. *J Bone Joint Surg [Amer]* 46:978-97, Jul 64
- Piercy JE**  
**Kreel L, Blendis LM, Piercy JE:** Pneumo-mediastinography by the trans-sternal method. *Clin Radiol* 15:219-23, Jul 64
- Pietowicz A**  
**Lillicrap D, Pietowicz A:** Mitral stenosis and systemic emboli. *Brit Med J* 5418:1169-71, 7 Nov 64
- Pietra GG**  
**Wolfe HJ, Pietra GG:** The visceral lesions of metastatic leukodystrophy. *Amer J Path* 44:921-30, Jun 64
- Pikovski M**  
**Witz I, Hermann G, Pikovski M, Gross J:** The antigenic composition of tumours, sera and urines of tumour-bearing mice and the partial purification of two antigens present in increased amounts. *Brit J Cancer* 18:397-406, Jun 64
- Pilch YH**  
**Pilch YH:** Immunogenicity of cell free extracts of neoplastic tissue. *Surg Forum* 15:348-50, 1964
- Pinkerton PH**  
**Hutchinson HE, Pinkerton PH, Waters P, Lehmann H, Beale D, Douglas AS:** Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. *Brit Med J* 5417:1099-103, 31 Oct 64
- (Pinniger JL)**  
**(Pinniger JL), Hutt MS:** John Lawrence Pinniger, 9 May 1914-8 June 1963. *J Path Bact* 88:361-4, Jul 64
- Pinto D**  
**Pinto D, Richards V, Coombs P:** Carbon dioxide effect on cerebral oxygenation at increased atmospheric pressures. *Surg Forum* 15:411-2, 1964
- Piot C**  
**Sigwald J, Bonduelle M, Sallou C, Raverdy P, Piot C, Steenbrughe A van:** Un nouvel anti-épileptique: le carbamyl-5-azépine ou 5-carbamoyl-5-H-dibenzo (b, f) azépine (G 32883). *Presse Med* 72:2323-4, 26 Sep 64 (Fr)
- Pipino G**  
**Pipino G:** Valutazione clinica dell'attività proteo-anabolica dell'1-metil-delta androstenedione in pazienti portatori di neoplasie maligne nel corso di attinoterapia. *Minerva Med* 55:2413-7, 18 Aug 64 (It)



# ABRIDGED INDEX MEDICUS

- Pippig L, Schmitt W, Pippig L, Braun H: Die Splenoportographie bei Leberkranken. *Deutsch Med Wschr* 89:1790-4, 18 Sep 64 (Ger)
- Piraino F, Abel C: Plaque assay for psittacosis virus in monolayers of chick embryo fibroblasts. *J Bact* 87:1503-11, Jun 64
- Pisa Z, Cort JH, Hammer J, Ulrych M, Pisa Z, Douss T, Rudinger J: Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. *Lancet* 2:840-1, 17 Oct 64
- Pitanguy I, Torres ET: Histopathological aspects of mammary gland tissue in cases of plastic surgery of breast. *Brit J Plast Surg* 17:297-302, Jul 64
- Pitman RG, Elwood PC, Jacobs A, Pitman RG, Entwistle CC: Epidemiology of the Paterson-Kelly syndrome. *Lancet* 2:716-20, 3 Oct 64
- Pitt-Rivers R (Harrington CR), Pitt-Rivers R: Sir Charles Harrington and the structure of thyroxine. *Mayo Clin Proc* 39:553-9, Aug 64
- Pittman AK, Pittman AK: Desferrioxamine and acute iron poisoning. *Brit Med J* 5417:1135, 31 Oct 64
- Pittman FE, Pittman FE, Denning CR, Barker HG: Albumin metabolism in cystic fibrosis. *Amer J Dis Child* 108:360-5, Oct 64
- Pitucco G, Balsano F, Pitucco G, Musca A, Di Noto V: New interpretation of oral glucose tolerance. *Lancet* 2:865, 17 Oct 64
- Plaa GL, Larson RE: CCL-4-induced liver damage. Current concepts regarding mechanisms of action. *Arch Environ Health (Chicago)* 9:536-43, Oct 64
- Plaa GL, Larson RE, Plaa GL, Brody MJ: Immunological sympathectomy and CCL-4 hepatotoxicity. *Proc Soc Exp Biol Med* 116:557-60, Jul 64
- Plachte F, Collipp PJ, Kaplan SA, Boyle DC, Plachte F, Kogut MD: Constitutional isosexual precocious puberty. Effects of medroxyprogesterone acetate therapy. *Amer J Dis Child* 108:399-405, Oct 64
- Platner WS, Platner WS, Shields JL, Purdy FA: Tissue glycogen fractions of the hypothalamic rat, hamster, and turtle. *Amer J Physiol* 207:42-6, Jul 64
- Platt BS, Platt BS, Gray PG, Farr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. *Brit J Nutr* 18:413-29, 1964
- Platt R, Platt R: The natural history and epidemiology of essential hypertension. *Practitioner* 193:5-13, Jul 64
- Platts MM, Platts MM: The action of aldosterone and ouabain on the sodium and potassium content of the cortex and papilla of rat kidney in vitro. *Clin Sci* 28:405-14, Jun 64
- Platts S, Reed H: Use of dimethyl sulphoxide for preserving corneal tissue. *Brit J Ophthalmol* 47:334-8, Jun 63
- Platz CE, Kirsten WH, Platz CE: Early and late leukemias in rats after transplantation of leukemic cells from AKR mice. *Cancer Res* 24:1056-62, Jul 64
- Platz AC, Chase WH: Histologic alterations in preclinical mouse muscular dystrophy. *Amer J Path* 44:931-46, Jun 64
- Plotkin GR, Plotkin GR, Isselbacher KJ: Secondary disaccharidase deficiency in adult celiac disease (nontropical sprue) and other malabsorption states. *New Eng J Med* 271:1033-7, 12 Nov 64
- Plotkin R, Wyndham CH, Plotkin R, Munro A: Physiological reactions to cold of men in the Antarctic. *J Appl Physiol* 19:593-7, Jul 64
- Plotkin SA, Pagano JS, Plotkin SA, Cornely D: The response of premature infants to infection with type 3 attenuated poliovirus. *J Pediatr* 65:165-75, Aug 64
- Plotkin SA, Plotkin SA: Virologic assistance in the management of German measles in pregnancy. *JAMA* 190:265-8, 26 Oct 64
- Plunkett OA, Dzawachiswill N, Landau JW, Newcomer VD, Plunkett OA: The effect of sea water and sodium chloride on the growth of fungi pathogenic to man. *J Invest Derm* 43:103-9, Aug 64
- Poate WJ, Gibson EW, Poate WJ: The use of adhesive surgical tape in plastic surgery. *Brit J Plast Surg* 17:265-70, Jul 64
- Podiachouk L, Jacqueline F, Podiachouk L, Eyquem A: Les anticorps du système sérique Gm au cours de la polyarthrite chronique évolutive. *Presse Med* 72:2205-8, 19 Sep 64 (Fr)
- Podolsky E, Podolsky E: Somnambulistic homicide. *Amer J Psychiat* 121:191-2, Aug 64
- Podolsky S, Podolsky S, Pothier A Jr, Krall LP: Association of diabetes mellitus and Friedreich's ataxia. A study of two siblings. *Arch Intern Med (Chicago)* 114:533-7, Oct 64
- Podolsky S, Podolsky S, Wase A, Cardenas J: Treatment of experimental ascites tumors with crystalline ribonuclease. *Curr Ther Res* 6:387-93, May 64
- Pogo BG, Avila L, Pogo BG: Mucopolysaccharide production by fibroblasts derived from human buffy-coat cultures in vitro. *Proc Soc Exp Biol Med* 116:641-3, Jul 64
- Poinso Y, Serratrice G, Tatossian A, Poinso Y: Amyotrophie de Charcot-Marie associée à une atrophie optique bilatérale. *Presse Med* 72:2535-6, 17 Oct 64 (Fr)
- Polacek MA, Wilson SD, Polacek MA, Baker J, Ellison EH: Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. *Surg Forum* 15:365-7, 1964
- Polite LL, Polite LL, Lucas FV: Paper chromatographic studies of the three serum bile pigments. *Amer J Clin Path* 42:22-32, Jul 64
- Pollack AD, Klemperer P, Pollack AD: Dr. Paul Klemperer. *Arch Path (Chicago)* 78:306-12, Oct 64
- Pollack B, Pollack B: Report of an unusually large dosage of methyphenidate hydrochloride. *Amer J Psychiat* 121:189-90, Aug 64
- Pollack H, Gross RC, Pollack H: Robert C. Gross (1900-1963). *Radiology* 83:144, Jul 64
- Pollard WO, Pollard WO, Shorb MS, Lund PG, Vasaitis V: Effect of triparanol on synthesis of fatty acids by Tetrahymena pyriformis. *Proc Soc Exp Biol Med* 116:539-43, Jun 64
- Pollen DA, Pollen DA, Reid KH, Perot P: Micro-electrode studies of experimental 3/sec wave and spike in the cat. *Electroenceph Clin Neurophysiol* 17:57-67, Jul 64
- Pollock B, Gitman L, Pollock B, Greenblatt LJ: Erythrocyte triiodothyronine uptake test in obstetrics and gynecology. *Obstet Gynec* 23:662-8, May 64
- Pollock TM, Benson PF, Butler NR, Goffe AP, Knight GJ, Laurence GD, Miller CL, Pollock TM: Vaccination of infants with living attenuated measles vaccine (Edmonston strain) with and without gamma-globulin. *Brit Med J* 5413:851-3, 3 Oct 64
- Pollock WF, Hill JT, Snyder WH Jr, Pollock WF: Management of complicated meconium ileus. *Amer J Surg* 108:233-8, Aug 64
- Pollock WJ, Larson DL, Lewis SR: Tissue oxygen tension in pedicle flaps, local hypertrophy, and thermal burns. *Surg Forum* 15:471-2, 1964
- Poltter DE, Fordtran JS, Scroggie WB, Poltter DE: Colonic absorption of tryptophan metabolites in man. *J Lab Clin Med* 64:125-32, Jul 64
- Pomerantzeff O, Pomerantzeff O: Studies in photocoagulation. IV. Laser photocoagulator. *Brit J Ophthalmol* 48:315-7, Jun 64
- Pomerantzeff O, Pomerantzeff O, Schepens CL, Freeman HM: Studies in photocoagulation. I. The photocoagulating beam. *Brit J Ophthalmol* 48:298-305, Jun 64
- Pomerantzeff O, Pomerantzeff O, Schepens CL: Studies in photocoagulation. II. The observation system. *Brit J Ophthalmol* 48:306-10, Jun 64
- Pomerantzeff O, Pomerantzeff O: Studies in photocoagulation. 3. Laser sources of energy. *Brit J Ophthalmol* 48:311-4, Jun 64
- Ponseti IV, Tapia J, Stearns G, Ponseti IV: Vitamin-D resistant rickets. A long-term clinical study of 11 patients. *J Bone Joint Surg [Amer]* 46:935-58, Jul 64
- Pont ME, Brown HA, Pont ME: Disease of lumbar discs. Ten years of surgical treatment. *J Neurosurg* 20:410-7, May 63
- Pool JL, Stein BM, Leeds NE, Taveras JM, Pool JL: Meningiomas of the foramen magnum. *J Neurosurg* 20:740-51, Sep 63
- Pope JL, Tidwell HC, McPherson JC, Moore WT, Pope JL, Freeman A: Lipolytic activity in the blood after lipase ingestion. *Proc Soc Exp Biol Med* 116:720-3, Jul 64
- Popoff N, Shulman K, Martin BF, Popoff N, Ransohoff J: Recognition and treatment of hydrocephalus following spontaneous subarachnoid hemorrhage. *J Neurosurg* 20:1040-9, Dec 63
- Poppe JK, Poppe JK: Clinical experiences with acetylcysteine as a mucolytic agent. *Dis Chest* 46:66-9, Jul 64
- Poppe JK, Poppe JK: Bronchoscopic aspiration after respiratory infections. *JAMA* 190:245-8, 19 Sep 64
- Popper H, Barka T, Scheuer PJ, Schaffner F, Popper H: Structural changes of liver cells in copper intoxication. *Arch Path (Chicago)* 78:331-49, Oct 64
- Popper H, Masuko K, Rubin E, Popper H: Proliferation of bile ducts in cirrhosis. *Arch Path (Chicago)* 78:421-31, Oct 64
- Popper RW, Popper RW, Selzer A, Osborn JJ, Kerth WJ, Robinson SJ, Gerbode F: Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. *Amer Heart J* 68:32-7, Jul 64
- Porras CL, Porras CL: Meningioma in the foramen magnum in a boy aged 8 years. *J Neurosurg* 20:167-8, Feb 63
- Porter H, Porter H: Tissue copper proteins in Wilson's disease. Intracellular distribution and chromatographic fractionation. *Arch Neurol (Chicago)* 11:341-9, Oct 64
- Porter JC, Taugog A, Porter JC, Thio DT: Nature of the 131-I-compounds released into the thyroid veins of rabbits, dogs and cats, before and after TSH administration. *Endocrinology* 74:902-13, Jun 64
- Porter JW, Brodie JD, Wasson G, Porter JW: Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. *J Biol Chem* 239:1346-56, May 64
- Porter M, Porter M, Riley HD Jr, Graham H: Needle biopsy of the liver in infants and children. *J Pediatr* 65:176-88, Aug 64
- Porter WE, Porter WE: The anesthesiologist's view of himself and his specialty. *Anesthesiology* 25:436-9, Jul-Aug 64
- Porterfield ID, McLaren GA, Asplund RO, Crow DG, Tsai LI, Porterfield ID: Influence of dried -grass silage and silage fractions on the basal metabolic rate of rats. *J Nutr* 83:218-24, Jul 64
- Porterfield JF, Lander JH, Porterfield JF, Wolff WS: Correlation of parietal cell population with the level of gastric secretion in dogs with Heidenhain pouches. *Surg Forum* 15:310-2, 1964
- Portnoy HD, Simmons DR, Portnoy HD, Gardjian ES: Packing with muscle of internal carotid artery for aneurysm with immediate occlusion and subsequent establishment of flow. *J Neurosurg* 20:1000-4, Nov 63
- Portugal OP, Pazzanese D, Ramos OL, Lanfranchi W, Portugal OP, Finatti AA, Barreto HP, Sustovich DR: Serum-lipid levels in a Brazilian Indian population. *Lancet* 2:615-7, 19 Sep 64
- Posner JB, Posner JB, Jacobs DR: Isolated aldosteronism. I. Clinical entity, with manifestations of persistent hyperkalemia, periodic paralysis, salt-losing tendency, and acidosis. *Metabolism* 13:513-21, Jun 64
- Postolka M, Knobloch F, Postolka M, Srnc J: Muscular experience as interpersonal process; a contribution to the semantics of music. *Psychiatry* 27:259-65, Aug 64
- Pothier A Jr, Podolsky S, Pothier A Jr, Krall LP: Association of diabetes mellitus and Friedreich's ataxia. A study of two siblings. *Arch Intern Med (Chicago)* 114:533-7, Oct 64
- Potsaid MS, Potsaid MS: Stereokinoradiography. I. Perception of motion and depth. *New Eng J Med* 271:1048-57, 12 Nov 64
- Potter CW, Potter CW: Adenovirus infection as an aetiological factor in intussusception of infants and young children. *J Path Bact* 88:263-74, Jul 64
- Potter G, Brumlik J, Wetzel N, Potter G, Petrovick M: Quantitative criteria for the neurosurgical treatment of parkinsonism. *J Neurosurg* 20:21-33, Jan 63
- Potter GD, Potter GD, Guy JL: A micro method for analysis of plasma salicylate. *Proc Soc Exp Biol Med* 116:658-60, Jul 64
- Potter GJ, Potter GJ: Clamp for holding suction tip and hose. *Anesthesiology* 25:572, Jul-Aug 64
- Potter JM, Potter JM: Facial palsy following head injury. *J Laryng* 78:654-7, Jul 64
- Potter RR, Potter RR: Water retention due to oxytocin. *Obstet Gynec* 23:699-702, May 64
- Potts AM, Potts AM: Tracer studies on a transplantable hamster melanoma. *Arch Ophthalmol (Chicago)* 72:359-64, Sep 64
- Poutasse EF, Koff WJ, Nakamoto S, Poutasse EF, Straffon RA, Figueroa JE: Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. *Circulation* 30:Suppl 2:23-35, Aug 64
- Powell AE, Cleveland JC, Powell AE, Hubay CA: Passive transfer of delayed hypersensitivity to purified proteins with a cell-free factor. *Surg Forum* 15:128-30, 1964
- Powell AK, Powell AK: The effects of buffered solutions of dextran upon HeLa carcinoma cells. *Brit J Cancer* 18:333-41, Jun 64
- Powell CC, Powell CC: Research training in pathology. *Lab Invest* 13:717-21, Jun 64
- Powers SR Jr, Boha A, Powers SR Jr: Diuresis following administration of the antidiuretic hormone. *Surg Forum* 15:20-1, 1964
- Powers SR Jr, Long DD, Powers SR Jr: Effect of mannitol on renal tissue osmolality. *Surg Forum* 15:15-6, 1964
- Pradel E, Pradel E: Premiers essais cliniques du Ro 4-61 en gastro-entérologie et en proctologie. *Presse Med* 72:2113-4, 29 Aug 64 (Fr)
- Prader A, Auricchio S, Rubino A, Prader A, Rey J, Jos J, Frenzel J: Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. *Lancet* 2:914, 24 Oct 64
- Pradhan JS, Shukla BR, Abuja OP, Pradhan JS: Removal of corneal sutures: new technique. *Arch Ophthalmol (Chicago)* 72:645-6, Nov 64
- Prager D, Hammers CL, Prager D, Senior JR: Post-transfusion



# ABRIDGED INDEX MEDICUS

- anicteric hepatitis.  
New Eng J Med 271:740-54, 8 Oct 64
- Pranker TA**  
Pranker TA: Enzymes and drug sensitivity. Glucose 6-phosphate dehydrogenase deficiency.  
Proc Roy Soc Med 57:506-8, Jun 64
- Pratt CW**  
Pratt CW, McCance RA: Severe undernutrition in growing and adult animals. 12. The extremities of the long bones in pigs. Brit J Nutr 18:393-408, 1964
- Prait-Johnson JA**  
Prait-Johnson JA, Drance SM, Innes R: Comparison between pilocarpine and echothiophate for chronic simple glaucoma. A comparison between 4 per cent pilocarpine and 0.06 per cent echothiophate iodine in the diurnal management of chronic simple glaucoma. Arch Ophthalmol (Chicago) 72:485-8, Oct 64
- Preisig R**  
Hardwick J, Rankin JG, Baker KJ, Preisig R: The loss of protein in human and canine hepatic bile. Clin Sci 26:509-17, Jun 64
- Pierovsky I**  
Gans V, Hlavová A, Froněk A, Linhart J, Píerovský I: Measurement of blood flow in the femoral artery in man at rest and during exercise by local thermodilution. Circulation 30:86-9, Jul 64
- Preston FW**  
Nora PF, Kukral JC, Preston FW: Infusion chemotherapy for abdominal malignancies. Methodology and preliminary report.  
Arch Surg (Chicago) 89:735-40, Oct 64
- Preston RL**  
Preston RL, Pfander WF: Phosphorus metabolism in lambs fed varying phosphorus intakes.  
J Nutr 83:369-78, Aug 64
- Preswick G**  
Preswick G, Jeremy D: Subclinical polyneuropathy in renal insufficiency. Lancet 2:731-2, 3 Oct 64
- Preucel RW**  
Shelley WB, Preucel RW, Spooner SS: Autoimmune progesterone dermatitis. Cure by oophorectomy. JAMA 190:35-8, 5 Oct 64
- Presio JA**  
Presio JA, Carreon G, Clerkin E, Meloni CR, Kyle LH, Canary JJ: Influence of body composition on adrenal function in obesity. J Clin Endocr 24:481-5, Jun 64
- Pribram HF**  
Pribram HF: Angiography in cerebrovascular disease. J Neurosurg 20:34-40, Jan 63
- Price CC**  
Rutman RJ, Lewis FS, Price CC: Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. Cancer Res 24:626-33, May 64
- Price DJ**  
Price DJ, Shooter RA: Toxin production of faecal strains of Clostridium welchii.  
Brit Med J 54:18:1176-7, 7 Nov 64
- Price HL**  
Moore EN, Morse HT, Price HL: Cardiac arrhythmias produced by catecholamines in anesthetized dogs. Circ Res 15:77-82, Jul 64
- Price JM**  
Bryan GT, Brown RR, Morris CR, Price JM: In vivo elution of tryptophan metabolites and other aromatic nitrogen compounds from cholesterol pellets implanted into mouse bladders.  
Cancer Res 24:586-95, May 64
- Price JM**  
Bryan GT, Brown RR, Price JM: Mouse bladder carcinogenicity of certain tryptophan metabolites and other aromatic nitrogen compounds suspended in cholesterol. Cancer Res 24:596-602, May 64
- Price JM**  
Bryan GT, Brown RR, Price JM: Incidence of mouse bladder tumors following implantation of paraffin pellets containing certain tryptophan metabolites. Cancer Res 24:582-5, May 64
- Prichard BN**  
Johnston AW, Prichard BN, Rosenthal ML: The use of betanidine in the treatment of hypertension. Lancet 2:659-61, 20 Sep 64
- Prichard MM**  
Adams JH, Daniel PM, Prichard MM: Distribution of hypophyseal portal blood in the anterior lobe of the pituitary gland. Endocrinology 75:120-6, Jul 64
- Primrose J**  
Primrose J: Mechanism of production of papilloedema. Brit J Ophthalmol 48:19-29, Jan 64
- Pringle R**  
Pringle R, Wilson JS: Cutaneous ureterostomy in a case of malignant carcinoma obstructing the ureters. Brit J Urol 36:194-7, Jun 64
- Prinsloo JG**  
Prinsloo JG: Heights and weights of white nursery-school children in Pretoria.  
S Afr Med J 38:601-6, 15 Aug 64
- Pritchard M**  
Pritchard M: Klinefelter's syndrome and behaviour. Lancet 2:762-3, 3 Oct 64
- Pritchard WH**  
Kolesky S, Pritchard WH: Failure to demonstrate vasopressor material in salt hypertensive rats. Amer J Physiol 207:152-4, Jul 64
- Privett OS**  
Verdino B, Blank ML, Privett OS, Lundberg WO: Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat.  
J Nutr 83:234-8, Jul 64
- Proctor B**  
Proctor B: The development of the middle ear spaces and their surgical significance.  
J Laryng 78:631-48, Jul 64
- Prod'hom LS**  
Nelson NM, Prod'hom LS, Cherry RB: Nitrogen excretion by newborn infants during oxygen breathing. J Pediatr 65:299-300, Aug 64
- Proetz AW**  
Proetz AW: How to smother an idea.  
Ann Otol 73:364-9, Jun 64
- Prokop JD**  
Strelcher E, Ferris PJ, Prokop JD, Klatzo I: [Brain volume and thiocyanate space in local cold injury. Arch Neurol (Chicago) 11:444-8, Oct 64]
- Prout GR Jr**  
Prout GR Jr, Macalalag EV Jr, Denis LJ: Alterations in serum lactate dehydrogenase and its isozymes in patients with prostatic carcinoma after hormonal therapy. Surg Forum 15:486-8, 1964
- Prowse CM**  
Stables DP, Prowse CM, Elliott GA: Prenylamine ("segontin") in prophylaxis of angina pectoris attacks. S Afr Med J 38:615-7, 15 Aug 64
- Pruitt RD**  
Pruitt RD: On sudden death.  
Amer Heart J 68:111-8, Jul 64
- Prunty FT**  
Prunty FT, Brooks RV, Dupre J, Hutchinson JS, London DR, Mills IH, Rhodes P: Virilization and the human ovary: including observation on the Stein-Leventhal syndrome.  
Proc Roy Soc Med 57:529-32, Jun 64
- Pruvost A**  
Paillas JA, Bonnal J, Payan H, Pruvost A: Les thromboses puerpérales du sinus longitudinal supérieur. (Deux observations)  
Presse Med 72:2265-8, 23 Sep 64 (Fr)
- Pryor R**  
Pryor R: The S1, S2, S3 syndrome in chronic pulmonary disease. Dis Chest 46:226, Aug 64
- Prystowsky H**  
Hildebrandt RJ, Walsh H, Prystowsky H: Indwelling catheter and postoperative urinary tract infection. Obstet Gynec 23:886-8, May 64
- Prystowsky H**  
Cotter J, Prystowsky H: Fetal blood studies. XX. Levels of human fetal hemoglobin during pregnancy. Obstet Gynec 23:735-7, May 64
- Pscheidt GR**  
Pscheidt GR, Steiner WG, Himwich HE: An electroencephalographic and chemical re-evaluation of the central action of reserpine in the rabbit. J Pharmacol Exp Ther 144:37-44, Apr 64
- Puchner G**  
Marcks KM, Trevaakis AE, Berg EM, Puchner G: Nasal defects associated with cleft lip deformity. Plast Reconstr Surg 34:176-81, Aug 64
- Pudifin DJ**  
Cosnett JE, Pudifin DJ: Embolic complications of cardiomyopathy. Brit Heart J 26:544-8, Jul 64
- Pugh RC**  
Collins DH, Pugh RC: Classification and frequency of testicular tumours. Brit J Urol 36:Suppl:1-11, Jun 64
- Pugh RC**  
Pugh RC, Smith JP: Teratoma.  
Brit J Urol 36:Suppl:28-44, Jun 64
- Pugh RC**  
Pugh RC, Cameron KM: Relative malignancy of testicular tumours. Brit J Urol 36:Suppl:107-11, Jun 64
- Pugh RC**  
Pugh RC, Thackray AC: Combined tumour.  
Brit J Urol 36:Suppl:45-51, Jun 64
- Puhvel SM**  
Puhvel SM, Barfatani M, Warnick N, Sternberg TH: Study of antibody levels to Corynebacterium acnes. In the serum of patients with acne vulgaris, using bacterial agglutination, agar gel immunodiffusion, and immunofluorescence techniques.  
Arch Derm (Chicago) 90:421-7, Oct 64
- Pulkkinen M**  
Ylino O, Pulkkinen M: Placenta praevia accreta. Ann Chir Gynaec Fenn 53:394-9, 1964
- Pullar P**  
Pullar P: Keratin formation in a chemically defined medium. J Path Bact 88:203-12, Jul 64
- Pule RJ**  
Pule RJ: Clinical study with oxtriphylline-glyceryl guaiacolate tablets in chronic pulmonary disease: a double-blind crossover study.  
Curr Ther Res 6:353-6, May 64
- Purdy FA**  
Platner WS, Shields JL, Purdy FA: Tissue glycogen fractions of the hypothalamic rat, hamster, and turtle. Amer J Physiol 207:42-6, Jul 64
- Purple JR**  
Oettgen HF, Purple JR, Coley VC, Krakoff IH, Burchenal JH: Potential of the anti-leukemic effects of 2-aminothiadiazole by isonicotinamide and derivatives. Cancer Res 24:889-92, May 64
- Putney FJ**  
Putney FJ, Moran JJ: Cartilaginous tumors of the larynx. Ann Otol 73:370-80, Jun 64
- Pyörälä T**  
Konttinen A, Pyörälä T, Carpen E: Serum lipid pattern in normal pregnancy and pre-eclampsia. J Obstet Gynaec Brit Comm 71:453-8, Jun 64
- Q**
- Quagliarello E**  
Alifano A, Papa S, Tancredi F, Elcio MA, Quagliarello E: Tryptophan-tryptophan acid metabolism in patients with tumours of the bladder and kidney. Brit J Cancer 18:386-9, Jun 64
- Quicke GV**  
Quicke GV, Von Fintel RG, De Muelenaere HJ: The effect of soil fertilization practices on the total protein and zeln content of maize.  
S Afr Med J 38:645-8, 22 Aug 64
- Quinn JT**  
Nixon JW, Quinn JT: Alcoholism.  
Brit J Clin Pract 18:383-5, Jul 64
- Quint R**  
Hejtmancik MR, Wright JC, Quint R, Jennings FL: The cardiovascular manifestations of systemic lupus erythematosus. Amer Heart J 68:119-30, Jul 64
- Quintana R**  
Quintana R, Kohatsu S, Woodward ER, Dragstedt LR: Mechanism of duodenal inhibition of gastric secretion. Arch Surg (Chicago) 89:585-91, Oct 64
- R**
- Raab W**  
Raab W: The neurogenic metabolic factor in ischemic heart disease. Dis Chest 46:150-7, Aug 64
- Raaf W**  
Raaf W, Chaplin JP, Bajusz E: Myocardial necroses produced in domesticated rats and in wild rats by sensory and emotional stresses.  
Proc Soc Exp Biol Med 116:665-9, Jul 64
- Rabbino MD**  
Rabbino MD, Likoff W, Dreifus LS: Complications and limitations of direct-current countershock.  
JAMA 190:417-20, 2 Nov 64
- Rabinovitch J**  
Rabinovitch J, Harandian B, Friedman HP, Arlen M, Rabinovitch P: Congenital anomalies of the cystic duct. J Int Coll Surg 42:372-8, Oct 64
- Rabinovitch J**  
Rabinovitch J, Harandian B, Friedman HP, Arlen M, Rabinovitch P: Congenital anomalies of the cystic duct. J Int Coll Surg 42:372-8, Oct 64
- Rabinowitz D**  
Holzman GB, Wagner HN Jr, Ito M, Rabinowitz D, Zierler KL: Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. Circulation 30:27-34, Jul 64
- Rabinowitz JG**  
Rabinowitz JG, Moseley JE: The lateral lumbar spine in Down's syndrome: a new roentgen feature. Radiology 83:74-9, Jul 64
- Rabinowitz JL**  
Neff N, Rossi GV, Chase GD, Rabinowitz JL: Distribution and metabolism of mescaline-C14 in the cat brain. J Pharmacol Exp Ther 144:1-7, Apr 64
- Rådberg C**  
Borell U, Rådberg C: Orthodiagraphic pelvimetry with special reference to capacity of distal part of pelvis and pelvic outlet.  
Acta Radiol [Diagn] (Stockholm) 2:273-82, Jul 64
- Rådberg C**  
Grannholm L, Rådberg C: Congenital communicating hydrocephalus. J Neurosurg 20:338-43, Apr 63
- Rademan J**  
Rademan J, Steytler JG, Wright N: First isolations of leptospirae in cape town.  
S Afr Med J 38:694-6, 20 Aug 64
- Radford EP Jr**  
Little JB, Radford EP Jr: Effects of ionizing radiation and their importance in anesthesiology.  
Anesthesiology 25:479-89, Jul-Aug 64
- Radford EP Jr**  
Laver MB, Morgan J, Bendixen HH, Radford EP Jr: Lung volume, compliance, and arterial oxygen tensions during controlled ventilation.  
J Appl Physiol 19:725-33, Jul 64
- Radloff G**  
Radloff G: The role of the South African banana industry in the feeding of the South African population. S Afr Med J 38:661-4, 22 Aug 64
- Räf L**  
Räf L: Staphylococcal wound infection complicating orthopaedic operations.  
Acta Orthop Scand 34:289-98, 1964
- Rafajko RR**  
Rafajko RR, Young JC: Thermal and pH stability of adenovirus types 12, 14, and 18.  
Proc Soc Exp Biol Med 116:663-5, Jul 64
- Rahja DR**  
Rahja DR: Surgical treatment of acute congestive glaucoma. Brit J Ophthalmol 47:300-3, May 63
- Rahman M**  
Rahman M, Rahman S: Marchesani's syndrome. Brit J Ophthalmol 47:182-3, Mar 63
- Rahman S**  
Rahman M, Rahman S: Marchesani's syndrome. Brit J Ophthalmol 47:182-3, Mar 63
- Raine DN**  
Farmer MB, Lehmann H, Raine DN: Two unrelated patients with congenital cyanosis due to haemoglobinopathy M. Lancet 2:786-9, 10 Oct 64
- Rainer EH**  
Fearney ME, Rainer EH, Taverner D, Boyle TH, Miles DW: Cervical sympathetic block in treatment of Bell's palsy. A controlled trial. Lancet 2:725-7, 3 Oct 64
- Rajagopalan KV**  
Rajagopalan KV, Handler P: The absorption spectra of iron-flavoproteins. J Biol Chem 239:1509-14, May 64
- Ralston EL**  
Shelley WB, Ralston EL: Paronychia due to an enchondroma. Arch Derm (Chicago) 90:412-3, Oct 64
- Ramadan ME**  
Greenberg DM, Blumenthal G, Ramadan ME: Effect of administration of the enzyme glutaminase on the growth of cancer cells. Cancer Res 24:957-63, Jul 64
- Raman PB**  
Raman PB, Ertel RJ, Ungar F: Conversion of progesterone-4-14C to 18-hydroxycorticosterone and aldosterone by mouse adrenals in vitro.  
Endocrinology 74:865-9, Jun 64
- (Ramazzini B)**  
(Ramazzini B), Snyder C: The professor and the Jakes cleanser. Arch Ophthalmol (Chicago) 72:441-3, Sep 64
- Rambert P**  
Rambert P, Alagille D, Derot M, Hamburger J, Royer P, Pequignot H: Problèmes thérapeutiques posés par les diabètes instables.  
Presse Med 72:2229-31, 10 Sep 64 (Fr)
- Ramon Y**  
Ramon Y, Mozes M, Buchner A: A fatal case of ameloblastoma (adamantinoma).  
Brit J Plast Surg 17:320-4, Jul 64
- Ramos AG**  
Zimmerman JM, King TC, Ramos AG: Wound infections: inoculum versus medium.  
Surg Forum 15:62-4, 1964
- Ramos J**  
Reynafarje C, Ramos J, Faura J, Villavicencio D: Humoral control of erythropoietic activity in man



- during and after altitude exposure. *Proc Soc Exp Biol Med* 116:649-50, Jul 64
- Ramos OL**  
**Paxanese D, Ramos OL, Lanfranchi W, Portugal OP, Finatti AA, Barreto HP, Sustovich DR:** Serum-lipid levels in a Brazilian Indian population. *Lancet* 2:615-7, 19 Sep 64
- Rams JJ**  
**Rams JJ, Eichelberger L, Moulder PV:** Water and electrolyte structural studies on homotransplanted hearts. *Dis Chest* 46:165-73, Aug 64
- Ramsay AG**  
**Ramsay AG:** Stop-flow analysis of the influence of pCO<sub>2</sub> on renal tubular transport of K and H. *Amer J Physiol* 206:1355-60, Jun 64
- Ramsay AM**  
**Ramsay AM, Emond RT, Alston JM:** Future management of infectious diseases. *Brit Med J* 5415:1004-5, 17 Oct 64
- Ranadive KJ**  
**Ranadive KJ, Chapekar TN:** In vitro studies on mouse mammary gland response to hormonal treatment. *Brit J Cancer* 18:308-11, Jun 64
- Rand RW**  
**Crandall PH, Walter RD, Rand RW:** Clinical applications of studies on stereotactically implanted electrodes in temporal-lobe epilepsy. *J Neurosurg* 20:827-40, Oct 63
- Randall WC**  
**Osadjan CE, Randall WC:** Effects of left stellate ganglion stimulation on left ventricular synchrony in dogs. *Amer J Physiol* 207:181-6, Jul 64
- Randel D**  
**Martin DC, Van DeWater J, Randel D, Lee DA:** Prolonged functional survival of dog renal grafts with local radiation. *Surg Forum* 15:156-8, 1964
- Randolph MF**  
**Randolph MF, Greenfield M, Creasy J:** Ten-second urine culture and colony count. *Amer J Dis Child* 108:348-50, Oct 64
- Rank BK**  
**Rank BK:** Training of plastic surgeons. *Brit J Plast Surg* 17:217-21, Jul 64
- Rankin JG**  
**Hardwicke J, Rankin JG, Baker KJ, Preisig R:** The loss of protein in human and canine hepatic bile. *Clin Sci* 26:509-17, Jun 64
- Ranney B**  
**Ranney B:** Postoperative vaginal-vault disruption. Report of a case. *Obstet Gynec* 23:793-4, May 64
- Ranney RE**  
**Ranney RE, Saunders FJ:** Hypocholesterolemic effect of an androstosterone analogue. *Proc Soc Exp Biol Med* 118:596-9, Jul 64
- Ransohoff J**  
**Shulman K, Martin BF, Popoff N, Ransohoff J:** Recognition and treatment of hydrocephalus following spontaneous subarachnoid hemorrhage. *J Neurosurg* 20:1040-9, Dec 63
- Rao BD**  
**Rao BD, Subrahmanyam MV, Sathe NM:** Cerebral tuberculoma simulating cystic glioma: a case report. *J Neurosurg* 20:172-3, Feb 63
- Rao SS**  
**Shahani SK, Rao SS:** Immunochemical and biological similarity between human luteinizing hormone and one of the antigenic components of human chorionic gonadotrophin. *Acta Endocr (Copenhagen)* 46:317-30, Jun 64
- Rapaport E**  
**Stern S, Ferguson RE, Rapaport E:** Reflex pulmonary vasoconstriction due to stimulation of the aortic body by nicotine. *Amer J Physiol* 206:1189-95, Jun 64
- Rapin M**  
**Rapin M, Amstutz P, Gorce F, Barois A, Goulon M:** Anurie par néphropathie interstitielle aiguë au décours d'un traitement prolongé par la phénindione. *Presse Med* 72:2279-84, 23 Sep 64 (Fr)
- Rapp F**  
**Rapp F, Falk LA:** Study of virulence and tumorigenicity of variants of herpes simplex virus. *Proc Soc Exp Biol Med* 116:361-5, Jun 64
- Rapp R**  
**Heetderks DR Jr, Rapp R, Correa RJ Jr, Lapides J:** An improved method of excretory urography. *J Urol* 92:75-7, Jul 64
- Raskind E**  
**Raskind E:** Fluid collection in cerebrospinal otorrhea. *J Int Coll Surg* 42:408-9, Oct 64
- Rasmussen AF Jr**  
**Yamada A, Jensen MM, Rasmussen AF Jr:** Stress and susceptibility to viral infections. 3. Antibody response and viral retention during avoidance learning stress. *Proc Soc Exp Biol Med* 116:877-80, Jul 64
- Rasmussen RA**  
**Rasmussen RA, Basinger CE, Harrison RW, Meade RH:** Choice of operation in the treatment of bronchogenic carcinoma. (A review of 813 cases of which 209 were treated by resection). *Dis Chest* 46:190-7, Aug 64
- Rathus EM**  
**Molphy R, Rathus EM:** Organic phosphorus poisoning and therapy. *Med J Aust* 2:337-40, 29 Aug 64
- Ratnoff OD**  
**Smink RD Jr, Abernethy EW, Ratnoff OD, Lepow IH:** Enhancement of vascular permeability by mixtures of C<sub>1</sub> esterase and normal serum. *Proc Soc Exp Biol Med* 116:280-3, Jun 64
- Rauenhorst J**  
**Haller JA Jr, Adkins JC, Rauenhorst J:** Total bypass of the superior vena cava into both lungs. *Surg Forum* 15:264-5, 1964
- Raush J**  
**Detmer RA, Raush J, Fletcher E, Gordon AS:** Ideal wave form and characteristics for direct current defibrillators. *Surg Forum* 15:249-51, 1964
- Rautenbach IE**  
**Rautenbach IE:** The control of diarrhoea by dietary therapy. *S Afr Med J* 38:686-7, 22 Aug 64
- Rautenbach IE**  
**Rautenbach IE:** The causes and effects of incorrect eating and the value of nutrition guidance. *S Afr Med J* 38:677-8, 22 Aug 64
- Raverdy P**  
**Sigwald J, Bonduelle M, Sallou C, Raverdy P, Piot C, Steenbrughe A van:** Un nouvel anti-épileptique: le carbamylidibenzazepine ou 5-carbamoyl-5-H-dibenzo (b, f) azépine (G. 32883). *Presse Med* 72:2323-4, 26 Sep 64 (Fr)
- Ravin MB**  
**Ravin MB, Garber V, Gibson EL:** Intravascular hemolysis following urea administration during hypothermia. *Anesthesiology* 25:576-80, Jul-Aug 64
- Ravin MB**  
**Ravin MB, Briscoe WA:** Blood-gas transfer, hemolysis, and diffusing capacity in a bubble tonometer. *J Appl Physiol* 19:784-90, Jul 64
- Ravina A**  
**(Domagk G), Ravina A, Pestel M:** Gerhardt Domagk (1895-1964). *Presse Med* 72:2177-9, 12 Sep 64 (Fr)
- Ravina A**  
**Ravina A:** L'importance du babouin, du hamster et du rat de sable, en pathologie expérimentale. *Presse Med* 72:2243-4, 19 Sep 64 (Fr)
- Rawson RW**  
**Rawson RW:** Physiologic effects of thyroxine in man. *Mayo Clin Proc* 39:637-53, Aug 64
- Ray CD**  
**Ray CD:** Intracranial angiography by percutaneous puncture of the subclavian artery utilizing a subclavicular approach. *J Neurosurg* 20:400-5, May 63
- Ray CT**  
**Galloway NC, Patterson RM, Ray CT:** Hypokalemic nephropathy of vomiting. *Southern Med J* 57:1303-8, Nov 64
- Ray PK**  
**Ray PK:** Use of 200 times the recommended dose of alpha-chymotrypsin without complications. *Brit J Ophthalmol* 48:230-1, Apr 64
- Rayner S**  
**Levenson J, Lindahl-Kjessling K, Rayner S:** Carnosine excretion in juvenile amaurotic idiocy. *Lancet* 2:756-7, 3 Oct 64
- Raynor RB**  
**Raynor RB, McMurtry JG:** Prevention of serotonin-produced cerebral vasospasm: an evaluation of blocking agents. *J Neurosurg* 20:94-8, Feb 63
- Rayport M**  
**Rayport M, Wisoff HS, Zaiman H:** Vertebral echinococcosis: report of case of surgical and biological therapy with review of the literature. *J Neurosurg* 21:647-59, Aug 64
- Razzi A**  
**Durand P, Borroni C, Scarabocchi S, Razzi A:** Iperpigmentazione delle areole mammarie e dei genitali esterni con ginecomastia in corso di trattamento con ginecoseptina. *Minerva Med* 55:2422-5, 18 Aug 64 (It)
- Rea VE**  
**Rea VE, Kirksey TD, Derrick JR, Artz CP:** A comparison of the physiologic effects of angiotensin with other vasoconstrictors. *Surg Forum* 15:17-8, 1964
- Read DJ**  
**Read DJ, Maloney JE, Fowler KT:** Reproducibility of transient response to CO<sub>2</sub> inhalation in man. *J Appl Physiol* 19:750-4, Jul 64
- Read J**  
**Read J, Fowler KT:** Effect of exercise on zonal distribution of pulmonary blood flow. *J Appl Physiol* 19:672-8, Jul 64
- Read RC**  
**Read RC, Wolf P:** Symptomatic disseminated cystic medial necrosis. Report of a case with multiple arterial rupture. *New Eng J Med* 271:816-9, 15 Oct 64
- Read WO**  
**Welty JD, Read WO:** Studies on some cardiac effect of taurine. *J Pharmacol Exp Ther* 144:110-5, Apr 64
- Reardon JJ**  
**Reardon JJ, Lustrin I, Ogoniak J, Burrows BB, Sawyer PN:** In vitro studies of direct current coagulation. *Surg Forum* 15:235-7, 1964
- Reboucas G**  
**Warren KS, Reboucas G:** Blood ammonia during bleeding from esophageal varices in patients with hepatosplenic schistosomiasis. *New Eng J Med* 271:921-6, 29 Oct 64
- Recant L**  
**Alp H, Recant L:** Effect of the insulin-inhibitory albumin fraction from normal and diabetic subjects on adipose tissue. *Metabolism* 13:609-19, Jul 64
- Rech RH**  
**Rech RH, McCarthy LE, Borison HL:** EEG after intracerebroventricular tetrodotoxin in cats. *Proc Soc Exp Biol Med* 116:434-7, Jun 64
- Reddy JB**  
**Reddy JB, Igarashi M:** Prosthetic devices in the middle ear of cats. *J Laryng* 78:675-83, Jul 64
- Redeker AG**  
**Redeker AG, Kunelis CT, Yamamoto S, Reynolds TB:** Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. *J Clin Invest* 43:1464-71, Jul 64
- Redmond DC 2d**  
**Redmond DC 2d, Muraki T, Singleton AO Jr:** Effects of recirculating jejunal loops on absorption and transit after massive bowel resection in dogs. *Surg Forum* 15:291-2, 1964
- Ree MJ**  
**Ree MJ:** Electrocardiographic changes in accidental hypothermia. *Brit Heart J* 26:566-71, Jul 64
- Reece JC**  
**Wilson IC, Reece JC:** Simultaneous death in schizophrenic twins. *Arch Gen Psychiatr (Chicago)* 11:377-84, Oct 64
- Reece RP**  
**Gala RR, Reece RP:** In vitro lactogen production by anterior pituitaries from lactating rats and estrous cyclic rats. *Proc Soc Exp Biol Med* 116:637-41, Jul 64
- Reed H**  
**Platts S, Reed H:** Use of dimethyl sulphoxide for preserving corneal tissue. *Brit J Ophthalmol* 47:334-8, Jun 63
- Reed R**  
**Segall A, Reed R:** Human exposure to external background radiation. A population survey in northern New England. *Arch Environ Health (Chicago)* 9:492-9, Oct 64
- Reed R**  
**Reed R, Rubnitz ME, Toigo A:** Hemoptysis in sarcoidosis. Report of a case. *Dis Chest* 46:241-4, Aug 64
- Reed WA**  
**Reed WA, Manning RT, Hopkins LT Jr:** Effects of hypoxia and hyperthermia on hepatic tissue of the dog. *Amer J Physiol* 206:1304-8, Jun 64
- Reed WA**  
**Jacks ML, Ashcraft W, Reed WA, Alibritten FF:** Alterations in plasma free fatty acids during extracorporeal circulation. *Surg Forum* 15:279-81, 1964
- Reem GH**  
**Reem GH, Vanamee P:** Effect of sodium lactate on urate clearance in the Dalmatian and in the mongrel. *Amer J Physiol* 207:113-7, Jul 64
- Rees JH**  
**Rees JH:** Nutmeg poisoning. *Practitioner* 193:80-3, Jul 64
- Rees JR**  
**Ross RS, Ueda K, Lichtlen PR, Rees JR:** Measurement of myocardial blood flow in animals and man by selective injection of radioactive inert gas into the coronary arteries. *Circ Res* 15:28-41, Jul 64
- Rees RJ**  
**Pettit JH, Rees RJ:** Sulphone resistance in leprosy. An experimental and clinical study. *Lancet* 2:673-4, 20 Sep 64
- Rees RJ**  
**Rees RJ:** Mycobacterial disease in man and animals. Studies on leprosy bacilli in man and animals. *Proc Roy Soc Med* 57:482-3, Jun 64
- Reeve P**  
**Reeve P:** Trachoma viruses isolated in United States. VII. Relative toxicity of different strains for white mice. *Proc Soc Exp Biol Med* 116:373-5, Jun 64
- Reeves DL**  
**Reeves DL:** Vertebral hemangioma with compression of the spinal cord. *J Neurosurg* 21:710-2, Aug 64
- Regan CD**  
**Okamura ID, Schepens CL, Brockhurst RJ, Regan CD, McMeel JW:** The scleral buckling procedures. VII. Silicone implants in reoperations. *Arch Ophthalmol (Chicago)* 72:297-308, Sep 64
- Regan JF**  
**Schmutzer KJ, Holleran WM, Regan JF:** Tumors of the small bowel. *Amer J Surg* 108:270-6, Aug 64
- Rege V**  
**Thomas D, Stein M, Tanabe G, Rege V, Wessler S:** Mechanism of bronchoconstriction produced by thromboemboli in dogs. *Amer J Physiol* 206:1207-12, Jun 64
- Regoli D**  
**Schaehtelin G, Regoli D, Gross F:** Quantitative assay and disappearance rate of circulating renin. *Amer J Physiol* 206:1361-4, Jun 64
- Reich CV**  
**Reich CV, Hanks JH:** Use of *Arthrobacter terreus* for bioassay of mycobactin. *J Bact* 87:1317-20, Jun 64
- Reichmann ME**  
**Gerwing J, Dolman CE, Reichmann ME, Bains HS:** Purification and molecular weight determination of Clostridium botulinum type E toxin. *J Bact* 88:216-9, Jul 64
- Reid AM**  
**Reid AM, Jones DW:** Porocephalus armillatus larvae presenting in the eye. *Brit J Ophthalmol* 47:169-72, Mar 63
- Reid JD**  
**Hallwright GP, North KA, Reid JD:** Pigmentation and Cushing's syndrome due to malignant tumor of the pancreas. *J Clin Endocr* 24:496-500, Jun 64
- Reid JD**  
**Gebbie T, Reid JD:** Effect of tolbutamide in clearing induced alimentary lipaemia after alcoholic hepatopancreatic damage. *Lancet* 2:661-3, 20 Sep 64
- Reid JV**  
**Reid JV:** The second heart sound in biventricular failure due to African cardiomyopathy. *Amer Heart J* 68:38-40, Jul 64
- Reid KH**  
**Pollen DA, Reid KH, Perot P:** Micro-electrode studies of experimental 3/sec wave and spike in the cat. *Electroenceph Clin Neurophysiol* 17:57-67, Jul 64
- Reid ME**  
**Reid ME:** Nutritional studies with the guinea pigs. XI. Pyridoxine. *Proc Soc Exp Biol Med* 116:289-90, Jun 64
- Reid WO**  
**Reid WO, Silver MJ:** Activation of the blood fibrinolytic enzyme system by platelets. *Amer J Physiol* 206:1255-61, Jun 64
- Reilingh W**  
**Huis in't Veld LG, Louwerens B, Reilingh W:** The origin of urinary dehydroepiandrosterone in boars. *Acta Endocr (Copenhagen)* 46:185-96, Jun 64
- Reilly EB**  
**Nakamura RM, Kunitake GM, Fujita K, Reilly EB:** Plasma-fibrinogen levels after long-term warfarin therapy. *Lancet* 2:821-2, 10 Oct 64
- Reimann HA**  
**Reimann HA:** Viral and mycoplasmal pneumonias. Prevention and treatment. *Dis Chest* 46:158-64, Aug 64
- Reimann HA**  
**Reimann HA:** Perplexities of a periodic entity. *JAMA* 190:241, 19 Sep 64
- Reindell H**  
**Büchner C, Bilger R, Overbeck W, Miklaw H, Reindell H:** Geburt bei einer Patientin mit künstlichem Schrittmacher des Herzens. *Deutsch Med Wschr* 89:1932-3, 9 Oct 64 (Ger)



# ABRIDGED INDEX MEDICUS

- Reinhardt MJ**  
Blumenthal MD, Reinhardt MJ: Psychosis and convulsions following withdrawal from ethchlorvynol. *JAMA* 190:154-5, 12 Oct 64
- Reis RL**  
Reis RL, Gay WA Jr, Braunwald NS, Morrow AG: Gradual closure of aortopulmonary septal defects. *Surg Forum* 15:266-7, 1964
- Reiland JY**  
Werner SC, Reiland JY, Csavossy I, Tierney J: Studies with mouse pituitary thyrotropic tumors. 8. Endocrinology 75:66-77, Jul 64
- Remezova ES**  
Remezova ES: The social and medical services for the epileptic patient in the Soviet Union. *Epilepsia (Amst)* 5:201-8, Jun 64
- Rennie ID**  
Rennie ID, Keen H, Southon A: A rapid enzyme-strip method for estimating blood-sugar. *Lancet* 2:884-6, 24 Oct 64
- Rennie ID**  
Rennie ID: Acute renal changes after oral cholecystography. *Lancet* 2:645, 19 Sep 64
- Rennie LE**  
Kutt H, Schick RW, Rennie LE, McDowell F: The quantities of sodium diatrizoate in cerebral vessels during arteriography. *J Neurosurg* 20:515-9, Jun 63
- Rerup C**  
Rerup C, Hedner P: A screening test for long-acting corticotrophin preparations. *Acta Endocr (Copenhagen)* 46:279-84, Jun 64
- Resnick J**  
McKneally MF, Kelly WD, Resnick J, Martinez C: Induction of tolerance with disrupted antigen, imuran, and sublethal irradiation. *Surg Forum* 15:131-2, 1964
- Rey F**  
Mayer M, Ducas P, Rey F: Notre pratique actuelle de la ponction de liquide amniotique dans le traitement des erythroblastoses par iso-immunisation. *Presse Med* 72:2369-72, 3 Oct 64 (Fr)
- Rey J**  
Auricchio S, Rubino A, Prader A, Rey J, Jos J, Frezal J: Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. *Lancet* 2:914, 24 Oct 64
- Rey LP**  
Milliez P, Fritel D, Rey LP: Essai clinique d'une médication hypotensive: l'alpha-méthyl 3, 4-dihydroxyphénylalanine ou Méthyldopa. *Presse Med* 72:2519-20, 17 Oct 64 (Fr)
- Reynafarje C**  
Reynafarje C, Ramos J, Faura J, Villavicencio D: Humoral control of erythropoietic activity in man during and after altitude exposure. *Proc Soc Exp Biol Med* 116:649-50, Jul 64
- Reynard A**  
Rubin RJ, Reynard A, Handschumacher RE: An analysis of the lack of drug synergism during sequential blockade of de novo pyrimidine biosynthesis. *Cancer Res* 24:1002-7, Jul 64
- Reynolds EW Jr**  
Reynolds EW Jr, Yu PN: Transmyocardial temperature gradient in dog and man: relation to the polarity of the T wave of the electrocardiogram. *Circ Res* 15:11-9, Jul 64
- Reynolds TB**  
Redeker AG, Kunelis CT, Yamamoto S, Reynolds TB: Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. *J Clin Invest* 43:1464-71, Jul 64
- Rezai M**  
Sandberg H, Rezai M, Bellet S, Feinberg LJ, Moliver S, Gelber L: Fibrinolytic activity of human tissues from adult and infant cadavers. *J Lab Clin Med* 64:99-108, Jul 64
- Rhea GW**  
Foster JH, Killen DA, Sessions RT, Rhea GW, Winfrey EW 3d, Collins HA: The relative toxicity of angiographic contrast media. *Vasc Dis* 1:8-20, Jan 64
- Rheault MJ**  
Semb LS, Rheault MJ, Stevenson JK, Fletcher TL, Harkins HN, Nyhus LM: A gastric inhibitory substance from dog antral juice. *Surg Forum* 15:319-21, 1964
- Rhodes JM**  
Rhodes JM, Sorkin E: In vitro studies on the fate of antigen. 3. The in vitro fate of I-131-HSA in the presence of cells and cell extracts from normal, immune, and tolerant rabbits. *Int Arch Allerg* 24:342-55, 1964
- Rhodes P**  
Rhodes P: "The normal puerperium in ten days". *Lancet* 2:746-7, 3 Oct 64
- Rhodes P**  
Prunty FT, Brooks RV, Dupre J, Hutchinson JS, London DR, Mills IH, Rhodes P: Virilization and the human ovary: including observation on the Stein-Leventhal syndrome. *Proc Roy Soc Med* 57:529-32, Jun 64
- Riccitelli ML**  
Riccitelli ML: Modern housing programs for the elderly in Connecticut. *J Amer Geriatr Soc* 12:756-62, Aug 64
- Riccitelli ML**  
Riccitelli ML: Modern concepts in the management of anxiety and depression in the aged and infirm. *J Amer Geriatr Soc* 12:852-7, Jul 64
- Rice RV**  
Mueller H, Franzen J, Rice RV, Olson RE: Characterization of cardiac myosin from the dog. *J Biol Chem* 239:1447-56, May 64
- Rice-Wray E**  
Rice-Wray E: Oral contraceptives and liver damage. *Brit Med J* 5415:1011, 17 Oct 64
- Rich C**  
Heaney RP, Bauer GC, Bronner F, Dymling JF, Lafferty FW, Nordin BE, Rich C: A normal reference standard for radiocalcium turnover and excretion in humans. *J Lab Clin Med* 64:21-8, Jul 64
- Rich C**  
DeGrazia JA, Rich C: Studies of intestinal absorption of calcium-45 in man. *Metabolism* 13:650-60, Jul 64
- Richards SH**  
Lambert V, Richards SH: Facial palsy in Heerfordt's syndrome. *J Laryng* 78:684-93, Jul 64
- Richards V**  
Richards V, Braverman M, Florida R, Persidsky M, Lowenstein J: Initial clinical experiences with liquid nitrogen preserved blood, employing PVP as a protective additive. *Amer J Surg* 108:313-22, Aug 64
- Richards V**  
Levy JV, Richards V: Effects of aldosterone, ouabain and deoxycorticosterone on oxygen uptake of isolated cardiac muscle. *J Pharmacol Exp Ther* 144:104-9, Apr 64
- Richards V**  
Pinto D, Richards V, Coombs P: Carbon dioxide effect on cerebral oxygenation at increased atmospheric pressures. *Surg Forum* 15:411-2, 1964
- Richardson DW**  
Richardson DW, Honour AJ, Fenton GW, Stott FH, Pickering GW: Variation in arterial pressure throughout the day and night. *Clin Sci* 26:445-60, Jun 64
- Richardson PC**  
Greenbaum D, Richardson PC, Salmon MV, Ulrich H: Pathological observations on six cases of diabetic neuropathy. *Brain* 87:201-14, Jun 64
- Richart RM**  
Richart RM: The growth characteristics in vitro of normal epithelium, dysplasia, and carcinoma-in-situ of the uterine cervix. *Cancer Res* 24:662-9, May 64
- Richert DA**  
Richert DA, Schenkman J, Westerfeld WW: An antithyrotrophic assay based upon the response of rat liver alpha-glycerophosphate dehydrogenase. *J Nutr* 83:332-42, Aug 64
- Richert DA**  
Westerfeld WW, Richert DA, Ruegamer WE: Thyroxine and antithyrotrophic effects in the chick. *J Nutr* 83:325-31, Aug 64
- Richmond CR**  
Furchner JE, Trafton GA, Richmond CR: Distribution of cesium-137 after chronic exposure in dogs and mice. *Proc Soc Exp Biol Med* 116:375-8, Jun 64
- Richmond J**  
Scott DB, Owen JA, Richmond J: Methaemoglobinemia due to prilocaine. *Lancet* 2:728-9, 3 Oct 64
- Richter M**  
Richter M, Delorme P, Rose B: The reagin-allergen reaction in the skin without concomitant wheal and flare. *J Allerg* 35:356-60, Jul-Aug 64
- Richter W**  
Cohen AI, Nicol EC, Richter W: Nerve growth factor requirement for development of dissociated embryonic sensory and sympathetic ganglia in culture. *Proc Soc Exp Biol Med* 116:784-9, Jul 64
- Ricks RM**  
Ricks RM, Riffenburgh RS: Retinal dysplasia. *Arch Ophthalmol (Chicago)* 72:637-41, Nov 64
- Ridley DS**  
Ridley DS, Wise MJ: Reaction of the dermis in leprosy. *Int J Leprosy* 32:24-36, Jan-Mar 64
- Riedel RG**  
Jod CK, Riedel RG: Squamous cell carcinoma arising in plantar ulcers in leprosy. *Int J Leprosy* 32:37-44, Jan-Mar 64
- Riedwil H**  
Greuter W, Hoigné R, Riedwil H: Das Verhalten der eosinophilen Granulozyten im peripheren Blut unter der Behandlung mit Procain-Penicillin. *Int Arch Allerg* 24:Suppl:50-1, 1964 (Ger)
- Riegel K**  
Riegel K, Kossel A: Die akute hyperpyretische Toxikose des älteren Säuglings. Ein Beitrag zur Frage des plötzlichen Todes im Kindesalter. *Deutsch Med Wschr* 89:1821-8, 25 Sep 64 (Ger)
- Riesel E**  
Riesel E, Katchalski E: Preparation and properties of water-insoluble derivatives of urease. *J Biol Chem* 239:1521-4, May 64
- Rieser CH**  
Rieser P, Rieser CH: Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. *Proc Soc Exp Biol Med* 116:669-71, Jul 64
- Rieser P**  
Rieser P, Rieser CH: Anabolic responses of diaphragm muscle to insulin and to other pancreatic proteins. *Proc Soc Exp Biol Med* 116:669-71, Jul 64
- Riffenburgh RS**  
Ricks RM, Riffenburgh RS: Retinal dysplasia. *Arch Ophthalmol (Chicago)* 72:637-41, Nov 64
- Rifkin H**  
Jacobs S, Walsh JJ, Urner CJ, Rifkin H: Tuberculosis among seamen. *Public Health Rep* 79:933-6, Oct 64
- Rifkind D**  
Baines RD Jr, Rifkind D: Intravenous administration of sodium colistimethate. *JAMA* 190:278-81, 26 Oct 64
- Rifkind D**  
Hill RB Jr, Rowlands DT Jr, Rifkind D: Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. *New Eng J Med* 271:1021-7, 12 Nov 64
- Rigby J**  
Campbell DJ, Sherbanik R, Rigby J: False positive reaction due to methocarbamol in the screening test for vanilmandelic acid (VMA). *Clin Chem* 10:447-50, May 64
- Rigden MC**  
Rigden MC, Brigham DW 3d, Nelson JS, Hershey FB: Histogenesis of breast cancer. *Surg Forum* 15:356-7, 1964
- Rikkers H**  
Absolon KB, Rikkers H, Hagihara P: Experimental lymphocytopenia and hypogammaglobulinemia production. *Surg Forum* 15:149-50, 1964
- Riley CM**  
Merrill DA, Kirkpatrick CH, Wilson WE, Riley CM: Change in serum haptoglobin type following human liver transplantation. *Proc Soc Exp Biol Med* 116:748-51, Jul 64
- Riley HD Jr**  
Porter M, Riley HD Jr, Graham H: Needle biopsy of the liver in infants and children. *J Pediatr* 65:178-88, Aug 64
- Riley V**  
Riley V, Loveless JD, Fitzmaurice MA: Comparison of a lactate dehydrogenase elevating viruslike agent and Eperythrozoon coccides. *Proc Soc Exp Biol Med* 116:486-90, Jun 64
- Rimington C**  
Rimington C: Enzymes and drug sensitivity. Drug and enzyme interactions in porphyrias. *Proc Roy Soc Med* 57:511-4, Jun 64
- Ringland J**  
Smith JW, Ringland J, Wilson R: Vascularization of skin grafts. *Surg Forum* 15:473-5, 1964
- Ringler I**  
Tonelli G, Haynes J, Heyder E, Ringler I: Bioassay of adrenocorticosteroids by the dog eosinophil response. *Proc Soc Exp Biol Med* 116:501-6, Jun 64
- Ristic M**  
Ristic M, Kreier JP: The fine structure of the erythrocytic forms of *Plasmodium gallinaceum* as revealed by electron microscopy. *Amer J Trop Med* 13:509-14, Jul 64
- Ritter FN**  
Ritter FN: The effect of hypothyroidism on the larynx of the rat. An explanation for hoarseness associated with hypothyroidism in the human. *Ann Otol* 73:404-16, Jun 64
- Ritter R**  
Smith CD, Ritter R, Larsh HW, Furcolow ML: Infection of white swiss mice with airborne *Cryptococcus neoformans*. *J Bact* 87:1364-8, Jun 64
- Ritts RE**  
Lubaroff DM, Ritts RE: In vitro cytotoxicity in delayed-type hypersensitivity and immunologic tolerance. *Proc Soc Exp Biol Med* 116:823-7, Jul 64
- Ritz ND**  
Kozinn PJ, Ritz ND, Moss AH, Kaufman A: Massive hemorrhage-scalps of newborn infants. *Amer J Dis Child* 108:413-7, Oct 64
- Rivera EM**  
Rivera EM: Differential responsiveness to hormones of C3H and A mouse mammary tissues in organ culture. *Endocrinology* 74:853-64, Jun 64
- Rivera EM**  
Rivera EM: Interchangeability of adrenocortical hormones in initiating mammary secretion in vitro. *Proc Soc Exp Biol Med* 116:568-72, Jul 64
- Rivera De Sala A**  
Oliver-Gonzalez J, Rivera De Sala A, Cancio M: Filiculation of unsensitized bentonite particles by cancer serum. *Proc Soc Exp Biol Med* 116:409-11, Jun 64
- Rivière J**  
Rivière J, Lasserre M, Kermarec J, Laubie B, Latapie JL, Moreau F: "Vrais" et "faux" syndromes de Klinefelter. *Presse Med* 72:2511-3, 17 Oct 64 (Fr)
- Rizzo AP**  
Cohen SG, Sapp TM, Rizzo AP, Kostage ST: Experimental eosinophilia. VII. Lymph node responses to altered gamma globulins. *J Allerg* 35:346-55, Jul-Aug 64
- Roach J**  
Metcalf W, Roach J, Ohin A: A quantitative expression for nitrogen retention with anabolic steroids. 3. Nortestosterone dipropionate. *Metabolism* 13:539-46, Jun 64
- Roark E**  
Barry GT, Roark E: Synthesis of 4-oxonorleucine and comparison with an amino acid isolated from *Citrobacter freundii*. *J Biol Chem* 239:1541-4, May 64
- Roath S**  
Elves MW, Roath S, Isaacs MC: Failure of lymphocytes from hypogammaglobulinemic subjects to transform in culture. *Brit Med J* 5416:1051-2, 24 Oct 64
- Robb RM**  
Robb RM, Kawahara T: Corneal wound healing. II. An autoradiographic study of the cellular components. *Arch Ophthalmol (Chicago)* 72:401-8, Sep 64
- Robbins JE**  
Kaufman HE, Capella JA, Maloney ED, Robbins JE, Cooper GM, Uotila MH: Corneal toxicity of cytosine arabinoside. *Arch Ophthalmol (Chicago)* 72:535-40, Oct 64
- Robbins ML**  
Kundin WD, Robbins ML, Smith PK: Antiviral activity of 3,5 diiodo-4-hydroxybenzenesulfonamide in chick embryo lung tissue culture. *Proc Soc Exp Biol Med* 116:425-7, Jun 64
- Robboy SJ**  
Robboy SJ, Kahn RH: Electrophoretic separation of hydrolytic enzymes of the female rat reproductive tract. *Endocrinology* 75:97-103, Jul 64
- Roberts CF**  
Manley GW, Roberts CF: Dissecting aneurysm in a ram. *J Path Bact* 88:320-2, Jul 64
- Roberts D**  
Ngu VA, Roberts D, Hall TC: Studies on folic reductase. I. Levels in regenerating rat liver and the effect of methotrexate administration. *Cancer Res* 24:989-93, Jul 64
- Roberts DM**  
Weimer HE, Miller JN, Meyers RL, Baxter D, Roberts DM, Godfrey JF, Carpenter CM: The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. *Cancer Res* 24:847-54, Jun 64
- Roberts HR**  
Roberts HR, Penick GD, Brinkhous KM: Intensive plasma therapy in the hemophilias. *JAMA* 190:548-8, 9 Nov 64
- Roberts JD**  
Roberts JD, Warren JC: Steroid biosynthesis in the fetal ovary. *Endocrinology* 74:846-52, Jun 64



# ABRIDGED INDEX MEDICUS

- Roberts LB**  
Roberts LB, Loughridge BP, Williams GR: Relationship between lung distensibility, pulmonary blood flow, and pulmonary blood volume. *Surg Forum* 15:181-2, 1964
- Roberts N**  
Beck LV, Roberts N, King C, Wilson JE: Effects of bromobenzene on mouse tissue sulfhydryl and insulin-131 metabolism. *Proc Soc Exp Biol Med* 116:283-8, Jun 64
- Robertson JJ**  
Brown JJ, Davies DL, Lever AF, Robertson JJ: Variations in plasma renin during the menstrual cycle. *Brit Med J* 5417:1114-5, 31 Oct 64
- Robertson JJ**  
Brown JJ, Matthew GK, Robertson JJ: The effect of angiotensin on the function of the separate kidneys in patients with unilateral renal artery stenosis. *Clin Sci* 26:381-95, Jun 64
- Robertson JJ**  
Brown JJ, Davies DL, Lever AF, Lloyd AM, Robertson JJ, Tree M: A renin-like enzyme in normal human urine. *Lancet* 2:709-11, 3 Oct 64
- Robertson LS**  
Robertson LS: Carcinogens in cigarette smoke. *S Afr Med J* 58:617, 15 Aug 64
- Robichon J**  
Belanger LF, Robichon J: Parathormone-induced osteolysis in dogs. A microradiographic and alphasitographic survey. *J Bone Joint Surg [Amer]* 46:1008-12, Jul 64
- Robin B**  
Flabiau F, Terquem J, Robin B: Les hémobillies postopératoires. *Presse Med* 72:2381-4, 3 Oct 64 (Fr)
- Robin E**  
Rotherham EB Jr, Safar P, Robin E: CNS disorder during mechanical ventilation in chronic pulmonary disease. *JAMA* 189:993-6, 28 Sep 64
- Robinson DS**  
Robinson DS, Machanic PB: Hemangioendothelioma of the heart. *JAMA* 189:1028-8, 28 Sep 64
- Robinson GC**  
Robinson GC, Miller JR, Dill FJ, Kamburoff TD: Klinefelter's syndrome with the XXYY sex chromosome complex. With particular reference to prepubertal diagnosis. *J Pediatr* 65:226-32, Aug 64
- Robinson GC**  
Robinson GC, Cambron KG: Hearing loss in infants of tuberculous mothers treated with streptomycin during pregnancy. *New Eng J Med* 271:949-51, 29 Oct 64
- Robinson HJ**  
Vander Veer JB, Robinson HJ, Blake AD Jr: Abdominal aortic aneurysm with vena caval fistula. Report of a case with observations on an unusual clinical course. *Arch Intern Med (Chicago)* 114:551-4, Oct 64
- Robinson JS**  
Robinson JS, Ambavagar M, Jones ES: Artificial ventilation of the lungs in combined head and chest injuries. *Lancet* 2:912, 24 Oct 64
- Robinson JS**  
Jones ES, Robinson JS, McConn R: Experience with the minicoll artificial kidney. *Lancet* 2:758-9, 3 Oct 64
- Robinson MP**  
Cameron HC, Lennard-Jones JE, Robinson MP: Amputations in the diabetic outcome and survival. *Lancet* 2:605-7, 19 Sep 64
- Robinson R**  
Kelleher J, Walters G, Robinson R, Smith P: Chemical tests for phaeochromocytoma. *J Clin Path* 17:399-404, Jul 64
- Robinson RG**  
Robinson RG: State salaries and medicine. *New Zeal Med J* 63:449-50, Jul 64
- Robinson RR**  
Owen EE, Robinson RR: Urea production and excretion by the chicken kidney. *Amer J Physiol* 206:1321-8, Jun 64
- Robinson RR**  
Hayes CP Jr, Mayson JS, Owen EE, Robinson RR: A micropuncture evaluation of renal ammonia excretion in the rat. *Amer J Physiol* 207:77-83, Jul 64
- Robinson S**  
McConahay TP, Robinson S, Newton JL: d-Aldosterone and sweat electrolytes. *J Appl Physiol* 19:575-9, Jul 64
- Robinson SJ**  
Popper RW, Selzer A, Osborn JJ, Kerth WJ, Robinson SJ, Gerbode F: Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. *Amer Heart J* 68:32-7, Jul 64
- Robinson SJ**  
Gerbode F, O'Brien MF, Kerth WJ, Robinson SJ: Surgical aspects of heart disease in infants under the age of two years. *Amer J Surg* 108:224-32, Aug 64
- Rock J**  
Fernandez-Cano L, Menkin MF, Garcia CR, Rock J: Refrigerant preservation of human spermatozoa. I. Factors influencing recovery in eupermic semen: clinical applications. *Fertil Steril* 15:390-406, Jul-Aug 64
- Rocker I**  
Rocker I: The anatomy of the utero-tubal junction area. *Proc Roy Soc Med* 57:707-9, Aug 64
- Rockett FX**  
Shillito J Jr, Rockett FX: Retinal artery embolism: a complication of carotid endarterectomy. *J Neurosurg* 20:718-20, Aug 63
- Rockoff SD**  
Rockoff SD, Levine ND, Austen WG: Roentgenographic clues to the cardiac hemodynamics of aortic stenosis. *Radiology* 83:58-62, Jul 64
- Roden AT**  
Roden AT: Surveillance of Salk vaccination in England and Wales 1956-61. *Proc Roy Soc Med* 57:464-6, Jun 64
- Roe CF**  
Roe CF, Swersey B: A hydraulic scale for in-bed weighing of patients. *J Appl Physiol* 19:820-2, Jul 64
- Roe FJ**  
Boydland E, Roe FJ, Gorrod JW, Mitchley BC: The carcinogenicity of nitrosobenzene, a possible constituent of tobacco smoke. *Brit J Cancer* 18:265-70, Jun 64
- Roe FJ**  
Walters MA, Roe FJ: The effect of dietary casein on the induction of lung tumours by the injection of 9,10-dimethyl-1,2-benzanthracene (DMBA) into newborn mice. *Brit J Cancer* 18:312-8, Jun 64
- Roe FJ**  
Roe FJ: An illustrated classification of the proliferative and neoplastic changes in mouse bladder epithelium in response to prolonged irritation. *Brit J Urol* 36:238-53, Jun 64
- Roe FJ**  
Ball JK, Field WE, Roe FJ, Walters M: The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. *Brit J Urol* 36:225-37, Jun 64
- Roenigk HH Jr**  
Roenigk HH Jr, Hasekirk JR, Arundell FD: Poststeroid panniculitis. Report of a case and review of the literature. *Arch Derm (Chicago)* 90:387-91, Oct 64
- Roesky N**  
Bragonier JR, Roesky N, Carver MJ: Teratogenesis: effects of substituted purines and the influence of 4-hydroxypyrazolopyrimidine in the rat. *Proc Soc Exp Biol Med* 116:695-8, Jul 64
- Rogers BO**  
Rogers BO: Harelip repair in Colonial America. A review of 18th century and earlier surgical techniques. *Plast Reconstr Surg* 34:142-62, Aug 64
- Rogers DE**  
Bybee JD, Rogers DE: The phagocytic activity of polymorphonuclear leukocytes obtained from patients with diabetes mellitus. *J Lab Clin Med* 64:1-13, Jul 64
- Rogers LS**  
DeCosse JS, Rogers LS: Effect of hyperbaric oxygen and cancer chemotherapy on growth of animal tumors. *Surg Forum* 15:203-5, 1964
- Rogers SF**  
Alexander JA, Rogers SF, Jacobs WM, Wills SH: Cesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases. *Southern Med J* 57:1282-7, Nov 64
- Rogers TA**  
Rogers TA, Setliff JA: Valve of fluid and electrolyte supplements in subacute survival situations. *J Appl Physiol* 19:580-2, Jul 64
- Rogers TE**  
Rogers TE, Hidalgo RJ, Dimopoulos GT: Immunology and serology of Anaplasma marginale. I. Fractionation of the complement-fixing antigen. *J Bact* 88:81-6, Jul 64
- Rogerson R**  
Mawdesley-Thomas LE, Rogerson R: The treatment of cerebral atherosclerosis with Vasolastine (a preliminary report). *Brit J Clin Pract* 18:405-7, Jul 64
- Rogler JC**  
Griffith FD, Parker HE, Rogler JC: Effect of dietary magnesium and fluoride on citric acid content of chick bones. *Proc Soc Exp Biol Med* 116:622-3, Jul 64
- Rogosa M**  
Rogosa M, Bishop FS: The genus Veillonella. 3. Hydrogen sulfide production by growing cultures. *J Bact* 88:37-41, Jul 64
- Roh BL**  
Fisher JW, Roh BL: Influence of alkylating agents on kidney erythropoietin production. *Cancer Res* 24:983-8, Jul 64
- Rohde RA**  
Rohde RA, Catz B: Maternal transmission of a new group-C(6/9) chromosomal syndrome. *Lancet* 2:838-40, 17 Oct 64
- Rohman M**  
Amirani MT, Rohman M, Oka M, Kikkawa Y, Gueft B, State D: Functional and pathologic changes in the reimplanted lung. *Surg Forum* 15:177-9, 1964
- Rokstad I**  
(Hansen A), Rokstad I: Gerhard Henrich Armauer Hansen. Address delivered at inauguration of the Armauer Hansen Memorial Room, February 18, 1962. *Int J Leprosy* 32:64-70, Jan-Mar 64
- Rollins GN**  
Sutherland R, Rollins GN: Activity of ampicillin in vitro compared with other antibiotics. *J Clin Path* 17:461-5, Jul 64
- Rollins WC**  
Sittmann DB, Rollins WC, Sittmann K, Casady RB: Seasonal variation in reproductive traits of New Zealand white rabbits. *J Reprod Fertil* 8:29-37, Aug 64
- Romano J**  
Romano J: And leave for the unknown. *JAMA* 190:282-4, 26 Oct 64
- Romanul FC**  
Romanul FC: Enzymes in muscle. I. Histochemical studies of enzymes in individual muscle fibers. *Arch Neurol (Chicago)* 11:355-8, Oct 64
- Romanul FC**  
Dawson DM, Romanul FC: Enzymes in muscles. II. Histochemical and quantitative studies. *Arch Neurol (Chicago)* 11:369-78, Oct 64
- Romanus R**  
Morales O, Nilsson S, Romanus R: Urethrographic studies of the posterior urethra. II. Emptying of the prostatic urethra. *Acta Radiol [Diagn] (Stockholm)* 2:305-15, Jul 64
- Romanus T**  
Romanus T, Tovi A: A variation of the atlas. Roentgenologic incidence of a bridge over the groove of the atlas for the vertebral artery. *Acta Radiol [Diagn] (Stockholm)* 2:289-97, Jul 64
- Rome H**  
Farnsworth DL, Rome H: Leadership in community mental health. *JAMA* 190:159-63, 12 Oct 64
- Romem M**  
Hauer Y, Romem M: Retinal phlebitis and sinus disease. *Brit J Ophthal* 47:353-6, Jun 63
- Romero PA**  
Foft JW, Romero PA: The culture in vitro of lymphoid cells obtained from rabbit lymph nodes. *Lab Invest* 13:575-80, Jun 64
- Romsdahl MM**  
Romsdahl MM, Valaitis J, McGrath RG, McGrew EA: Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. *Surg Forum* 15:346-8, 1964
- Rondell PA**  
Rondell PA: Follicular fluid electrolytes in ovulation. *Proc Soc Exp Biol Med* 116:336-9, Jun 64
- Roos A**  
Freund F, Roos A, Dood RB: Expiratory activity of the abdominal muscles in man during general anesthesia. *J Appl Physiol* 19:693-7, Jul 64
- Root HD**  
Root HD, Barata JR: Influence of gastric pressure on effects of gastric freezing. *Surg Forum* 15:330-2, 1964
- Roith G**  
Roith G, Fürst C: The relation between hypotassaemia and alkalosis during administration of polythiazide and chlorthalidone. *Acta Med Scand* 176:51-7, Jul 64
- Roper BW**  
Roper BW: Essential hypercholesterolaemic xanthomatosis. *Brit Med J* 5415:990-1, 17 Oct 64
- Rose B**  
Richter M, Delorme P, Rose B: The reagin-allergen reaction in the skin without concomitant wheal and flare. *J Allerg* 35:356-60, Jul-Aug 64
- Rose CL**  
Rose CL, Chen KK, Harris PN: Mercuric cyanide poisoning and its treatment in dogs. *Proc Soc Exp Biol Med* 116:371-3, Jun 64
- Rose GA**  
Rose GA: Role of phosphate in treatment of renal tubular (hypophosphataemic) rickets and osteomalacia. *Brit Med J* 5413:857-61, 3 Oct 64
- Rose LR**  
Teplitz C, Epstein BS, Rose LR, Switzer WE, Moncrief JA: Pathology of low tracheostomy in children. *Amer J Clin Path* 42:58-63, Jul 64
- Rose S**  
Rose S: Peripheral angiography: a clinical evaluation. *Vasc Dis* 1:64-76, Jan 64
- Roseale E**  
Papahegi E, Petresco C, Roseale E, Geambazu E: Histoire d'un mégacôlon. *Presse Med* 72:2299-302, 23 Sep 64 (Fr)
- Rosedale RS**  
Rosedale RS: Neuroblastoma of nodose ganglion of infant vagus nerve. *Arch Otolaryng (Chicago)* 80:454-9, Oct 64
- Rosen AD**  
Vastola EF, Rosen AD: Unit activity during polarization of the optic tract and lateral geniculate body. *Amer J Physiol* 206:1401-7, Jun 64
- Rosen JA**  
Rosen JA: Paroxysmal choreoathetosis. Associated with perinatal hypoxic encephalopathy. *Arch Neurol (Chicago)* 11:385-7, Oct 64
- Rosen L**  
Beaver PC, Rosen L: Memorandum on the first report of Angiostrongylus in man, by Nomura and Lin, 1945. *Amer J Trop Med* 13:589-90, Jul 64
- Rosenbaum MJ**  
Rytel MW, Conner GH, Welch CC, Kraybill WH, Edwards EA, Rosenbaum MJ, Frank PF, Miller LF: Infectious agents associated with cylindrical bronchiectasis. *Dis Chest* 46:23-8, Jul 64
- Rosenbaum MJ**  
Lytle RI, Rosenbaum MJ, Miller LF, Rosenthal S: Detection of a prealbumin in sera of children following extensive burns. *J Lab Clin Med* 64:117-24, Jul 64
- Rosenberg IN**  
Rosenberg IN, Athans JC, Dawes MJ: Effect of methimazole upon thyroid clearance of circulating iodide. *Endocrinology* 75:89-98, Jul 64
- Rosenberg NJ**  
Rosenberg NJ: Osteochondral fractures of the lateral femoral condyle. *J Bone Joint Surg [Amer]* 46:1013-28, Jul 64
- Rosenberg RJ**  
Rosenberg RJ, Sarkar AK, Pekala SJ: Endometrial stromaloma. Report of a case. *Obstet Gynec* 23:708-11, May 64
- Rosenblum ED**  
Murphy WH, Rosenblum ED: Genetic recombination by transduction between mannitol-negative mutants of Staphylococcus aureus. *Proc Soc Exp Biol Med* 116:544-8, Jun 64
- Rosenblum I**  
Rosenblum I, Stein AA: A comparison of the responses to l-spertaine and oxytocin in isolated human uterine muscles. *J Pharmacol Exp Ther* 144:138-41, Apr 64
- Rosenfeld I**  
Master AM, Rosenfeld I: Monitored and post-exercise two-step test. *JAMA* 190:494-500, 9 Nov 64
- Rosenfeld LJ**  
Bush IM, Bauer S, Rosenfeld LJ: Aneurysm of the spermatic artery. *J Urol* 92:47-50, Jul 64
- Rosenman LD**  
Hobson T, Rosenman LD: Acute appendicitis--when is it right to be wrong? *Amer J Surg* 108:306-12, Aug 64
- Rosenmann E**  
Davies AM, Laufer A, Gery I, Rosenmann E: Organ specificity of the heart. 3. Circulating antibodies and immunopathological lesions in experimental animals. *Arch Path (Chicago)* 78:369-76, Oct 64
- Rosenthal MG**  
Rosenthal MG, Bowles WT: Bilharziasis: report of a case treated with TWSb. *J Urol* 92:72-4, Jul 64
- Rosenthal S**  
Lytle RI, Rosenbaum MJ, Miller LF, Rosenthal S:



# ABRIDGED INDEX MEDICUS

- Detection of a prealbumin in sera of children following extensive burns.  
J Lab Clin Med 64:117-24, Jul 64
- Rosenthal ML**  
**Johnston AW, Prichard BN, Rosenthal ML:** The use of betahistine in the treatment of hypertension. Lancet 2:659-61, 20 Sep 64
- Roser BJ**  
**Roser BJ, Magarey FR:** Spontaneous "atheroma" in sheep. J Path Bact 88:73-8, Jul 64
- Roshe J**  
**Roshe J, Allen W:** Effects of hyperbaric oxygenation on left circumflex coronary artery occlusion in dogs. Surg Forum 15:208-9, 1964
- Rosner S**  
**Rosner S:** The treatment of cerebrovascular insufficiency by intravenous procaine and antihistamine compound. Vasc Dis 1:214-5, Jul 64
- Rosoff CB**  
**Rosoff CB:** Effect of the intestinal bacteria on recovery from burn injury. Surg Forum 15:39-41, 1964
- Rosomoff HL**  
**Johnston JD, Alexander GH, Rosomoff HL:** A simplified method for the pneumoencephalographic demonstration of the fourth ventricle and aqueduct of Sylvius. J Neurosurg 20:81-3, Jan 63
- Ross FG**  
**James JA, Penry JB, Ross FG:** Tomography in atresia of the external auditory meatus. Brit J Radiol 37:511-25, Jul 64
- Ross J Jr**  
**Mason DT, Braunwald E, Ross J Jr, Morrow AG:** Diagnostic value of the first and second derivatives of the arterial pressure pulse in aortic valve disease and in hypertrophic subaortic stenosis. Circulation 30:90-100, Jul 64
- Ross JA**  
**Galen C, Ross JA:** Galen. Proc Roy Soc Med 57:879-81, Aug 64
- Ross KF**  
**Ross KF:** A case of hemipyonephrosis in a duplicated kidney presenting in middle age. Brit J Urol 36:191-3, Jun 64
- Ross RA**  
**Ross RA:** Adoptions. New Eng J Med 271:784-5, 8 Oct 64
- Ross RS**  
**Ross RS, Ueda K, Lichtlen PR, Rees JR:** Measurement of myocardial blood flow in animals and man by selective injection of radioactive inert gas into the coronary arteries. Circ Res 15:28-41, Jul 64
- Ross TH**  
**Orloff MJ, Baddeley RM, Ross TH, Nutting RO, Halasz NA, Neesby T:** Regulation of aldosterone secretion by an hepatic receptor. Surg Forum 15:74-6, 1964
- Ross TH**  
**Baddeley RM, Nutting RO, Ross TH, Sloop RD, Halasz NA, Orloff MJ:** Gastric secretion in experimental liver disease. Surg Forum 15:114-6, 1964
- Ross WM**  
**Brown IS, Ross WM, Walder DN:** The combined thiopeta and testosterone treatment of cancer of the breast. Brit J Cancer 18:238-46, Jun 64
- Rosse WF**  
**Rosse WF, Waldmann TA:** The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. J Clin Invest 43:1348-54, Jul 64
- Rossi EC**  
**Rossi EC, Clatanoff DV:** Maintenance of phosphonucleotides in platelets suspended in plasma. J Lab Clin Med 64:42-50, Jul 64
- Rossi F**  
**Filla E, Comenale D, Rossi F:** La terapia chemio-antibiotica della tubercolosi nei diabetici e sue ripercussioni sul ricambio glucidico. Minerva Med 55:2417-22, 18 Aug 64 (It)
- Rossi GV**  
**Neff N, Rossi GV, Chase GD, Rabinowitz JL:** Distribution and metabolism of mescaline-C14 in the cat brain. J Pharmacol Exp Ther 144:1-7, Apr 64
- Rossi NP**  
**Rossi NP, Yu SC, Koepke J, Spencer FC:** Pulmonary injury from prolonged oxygenation with venous blood. Surg Forum 15:277-9, 1964
- Rossi NP**  
**Yu SC, Rossi NP, Spencer FC:** Changes in intracardiac pressures with overtransfusion of normal dogs. Surg Forum 15:283-5, 1964
- Rossing RG**  
**Rossing RG:** Physiologic effects of chronic exposure to phosgene in dogs. Amer J Physiol 207:265-72, Jul 64
- Rotenberg S**  
**Goldner RH, Martin-Guzman G, Jones J, Goldstein NO, Rotenberg S, Rutman RJ:** Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard. Cancer Res 24:964-8, Jul 64
- Roth B**  
**Roth B, Nevfimal O:** EEG study of tetany and spasmodophilia. Electroenceph Clin Neurophysiol 17:36-45, Jul 64
- Roth LJ**  
**Glick SM, Roth J, Lonergan ET:** Survival of endogenous human growth hormone in plasma. J Clin Endocr 24:501-5, Jun 64
- Roth LJ**  
**Harvey JA, Heller A, Moore RY, Hunt HF, Roth LJ:** Effect of central nervous system lesions on barbiturate sleeping time in the rat. J Pharmacol Exp Ther 144:24-36, Apr 64
- Rothaus P**  
**Rothaus P:** Instrumented role playing in psychiatric training laboratory. Arch Gen Psychiat (Chicago) 11:400-10, Oct 64
- Roth CF**  
**Roth CF, Selkurt EE:** Cardiac and peripheral failure in hemorrhagic shock in the dog. Amer J Physiol 207:203-14, Jul 64
- Rotheram EB Jr**  
**Rotheram EB Jr, Safar P, Robin E:** CNS disorder during mechanical ventilation in chronic pulmonary disease. JAMA 189:993-6, 28 Sep 64
- Rotstein J**  
**Gilbert M, Rotstein J, Cunningham C, Estrin I, Davidson A:** Norethandrol with mestranol in treatment of rheumatoid arthritis. JAMA 190:235, 19 Sep 64
- Rouhandeh H**  
**Rouhandeh H, Chronister RR, Brinkman ML:** Propagation of encephalomyocarditis virus in swine embryo kidney cells. Proc Soc Exp Biol Med 116:610-2, Jul 64
- Rouher F**  
**Rouher F, Serpin G:** Action du phényl-propionate de nor-andrостénone dans la rétinopathie diabétique. Presse Med 72:2211-2, 19 Sep 64 (Fr)
- Rountree PM**  
**Rountree PM, Littlewood PK:** The nasal flora of Auyana people in the Eastern highlands of New Guinea. Med J Aust 2:336-7, 29 Aug 64
- Rousselot LM**  
**Bono RF, Slattery JR, Grossi CE, Rousselot LM:** Hepatic regulation of fibrinolysis--the liver as the source of inhibitor. Surg Forum 15:94-5, 1964
- Roven RB**  
**Case RB, Roven RB, Crampton RS:** Relief of high left-atrial pressure in left-ventricular failure. Lancet 2:841-2, 17 Oct 64
- Rovin S**  
**Rovin S, Dachi SF, Borenstein DB, Cotter WB:** Mandibulofacial dysostosis, a familial study of five generations. J Pediatr 65:215-21, Aug 64
- Rovine BW**  
**Goldstein SL, Himwich WA, Knapp FM, Rovine BW:** Effects of urea and other dehydrating agents upon dog brain. J Neurosurg 21:672-7, Aug 64
- Rovner DR**  
**Conn JW, Cohen EL, Rovner DR:** Suppression of plasma renin activity in primary aldosteronism. Distinguishing primary from secondary aldosteronism in hypertensive disease. JAMA 190:213-21, 19 Sep 64
- Rowan WB**  
**Rowan WB:** Sewage treatment and schistosome eggs. Amer J Trop Med 13:572-6, Jul 64
- Rowan WB**  
**Rowan WB:** Schistosomiasis and the chlorination of sewage effluent. Amer J Trop Med 13:577-81, Jul 64
- Rowe G**  
**Afonso S, Rowe G, Castillo CA, Crumpton CW:** Hemodynamic responses to induced tachycardia in methylene blue-treated dogs. Amer J Physiol 208:1279-80, Jun 64
- Rowe GG**  
**Rowe GG, Castillo CA, Afonso S, Meyer TC, Crumpton CW:** Diagnostic cineangiocardiology. Vasc Dis 1:45-53, Jan 64
- Rowe NH**  
**Rowe NH, Johnson CM:** A search for the Burkitt lymphoma in tropical Central America. Brit J Cancer 18:228-32, Jun 64
- Rowell CE**  
**Rowell CE:** Transduodenal anastomosis for choledochus cyst. Aust New Zeal J Surg 34:62-7, Aug 64
- Rowlands DT Jr**  
**Hill RB Jr, Rowlands DT Jr, Rifkind D:** Infectious pulmonary disease in patients receiving immunosuppressive therapy for organ transplantation. New Eng J Med 271:1021-7, 12 Nov 64
- Rowley D**  
**Rowley D, Leuchtenberger C:** Antigen-stimulated deoxyribonucleic-acid synthesis in vitro by sensitized mouse macrophages. Lancet 2:734-5, 3 Oct 64
- Roy AJ**  
**Roy AJ, Lambert PB, Frank HA:** Immediate responses of collateral vessels to abrupt arterial occlusion. Amer J Physiol 208:1299-303, Jun 64
- Royer P**  
**Royer P, Frezal J, Hamburger J, Netter A, Pequignot H:** Comment traiter les retards de croissance. Presse Med 72:2161-4, 12 Sep 64 (Fr)
- Royer P**  
**Frezal J, Alagille D, Derot M, Hamburger J, Netter A, Royer P, Pequignot H:** Comment reconnaître et traiter une glycogénose hépatique. Presse Med 72:2342-5, 26 Sep 64 (Fr)
- Royer P**  
**Rambert P, Alagille D, Derot M, Hamburger J, Royer P, Pequignot H:** Problèmes thérapeutiques posés par les diabètes instables. Presse Med 72:2229-31, 19 Sep 64 (Fr)
- Royle JP**  
**Royle JP:** A case of mercury poisoning following the use of perchloride of mercury. Aust New Zeal J Surg 34:71-2, Aug 64
- Royle JP**  
**Royle JP:** Torsion of the gallbladder. Aust New Zeal J Surg 34:68-70, Aug 64
- Rozin PN**  
**Rozin PN, Mayer J:** Some factors influencing short-term food intake of the goldfish. Amer J Physiol 206:1430-6, Jun 64
- Roxner L**  
**Roxner L:** Nasal obstruction due to restriction of the bony nasal inlet. Brit J Plast Surg 17:287-96, Jul 64
- Rubeiz MT**  
**Rubeiz MT, Paletta FX, Mudd JG, Cooper T:** Lymphatic cineradiography. Surg Forum 15:461-3, 1964
- Ruben CM**  
**Ruben CM:** A scleral buckling procedure. Brit J Ophthalmol 47:350-2, Jun 63
- Ruben CM**  
**Saidoufar H, Ruben CM:** Visual acuity thresholds in amblyopes. Brit J Ophthalmol 47:153-63, Mar 63
- Ruben RJ**  
**Mikaelian DO, Ruben RJ:** Hearing degeneration in Shaker-1 mouse. Correlation of physiological observations with behavioral responses and with cochlear anatomy. Arch Otolaryng (Chicago) 80:418-30, Oct 64
- Rubenfeld S**  
**Winkelman J, Rubenfeld S, McAfee J:** The metabolism and excretion of Co57 tetraphenylporphinesulfonate in cancer patients. J Nucl Med 5:462-70, Jun 64
- Rubenstein AH**  
**Abrahams C, Wheatley A, Rubenstein AH, Stables D:** Hepatocellular lipofuscin after excessive ingestion of analgesics. Lancet 2:621-2, 19 Sep 64
- Rubin A**  
**Rubin A:** A new treatment for intractable pruritus vulvae and ani. Obstet Gynec 23:669-70, May 64
- Rubin E**  
**Masuko K, Rubin E, Popper H:** Proliferation of bile ducts in cirrhosis. Arch Path (Chicago) 78:421-31, Oct 64
- Rubin RJ**  
**Rubin RJ, Reynard A, Handschumacher RE:** An analysis of the lack of drug synergism during sequential blockade of de novo pyrimidine biosynthesis. Cancer Res 24:1002-7, Jul 64
- Rubin W**  
**Rubin W:** Vestibular mechanism, motion sickness, and drug therapy. Experimental and clinical evaluations. Arch Otolaryng (Chicago) 80:431-9, Oct 64
- Rubini JR**  
**Rubini JR, Keller S, McCall MS:** Inhibition of tritiated thymidine incorporation into DNA by alkaline phosphatase preparations. Cancer Res 24:655-61, May 64
- Rubino A**  
**Auricchio S, Rubino A, Prader A, Rey J, Jos J, Frezal J:** Intestinal disaccharidase activity in congenital malabsorption of sucrose and isomaltose. Lancet 2:914, 24 Oct 64
- Rubinstein B**  
**Furman S, Escher JW, Schwedel JW, Solomon N, Rubinstein B:** Motion factors producing breaks in implanted cardiac pacemaker leads. Surg Forum 15:248-9, 1964
- Rubinstein EH**  
**Folkow B, Oberg B, Rubinstein EH:** A proposed differentiated neuro-effector organization in muscle resistance vessels. Angiologica (Basel) 1:197-208, 1964
- Rubinstein LJ**  
**Rubinstein LJ, Northfield DW:** The medulloblastoma and the so-called "arachnoid cerebral sarcoma". Brain 87:379-412, Jun 64
- Rubio Roig J**  
**Cónill Serra V, Rubio Roig J:** Contribución a la casuística del lipoma del útero. J Int Coll Surg 42:436-43, Oct 64 (Sp)
- Rubnitz ME**  
**Reed R, Rubnitz ME, Toigo A:** Hemoptysis in sarcoidosis. Report of a case. Dis Chest 46:241-4, Aug 64
- Rudinger J**  
**Cort JH, Hammer J, Ulrich M, Pisa Z, Dousa T, Rudinger J:** Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. Lancet 2:840-1, 17 Oct 64
- Rudolf ND**  
**Rudolf ND, Forbes HA:** Sedentary leg-pain: ischaemia from narrowing on hip flexion of femoral arteries stiffened by atheroma. Brit Med J 5413:863, 3 Oct 64
- Rudolph AM**  
**Rudolph AM, Scarpelli EM:** Drug action on pulmonary circulation of unanesthetized dogs. Amer J Physiol 206:1201-6, Jun 64
- Ruegger WR**  
**Westerfeld WW, Richert DA, Ruegger WR:** Thyroxine and antithyrototoxic effects in the chick. J Nutr 83:325-31, Aug 64
- Ruegger JM**  
**Cabasso VJ, Nozell H, Ruegger JM, Cox HR:** Poliovirus antibody two years after oral trivalent vaccine (Sabin strains). JAMA 190:248-50, 19 Sep 64
- Rulon JT**  
**Rulon JT, Simonton KM:** Clinico-histological study of chronic pharyngeal symptoms. Ann Otol 73:501-27, Jun 64
- Rumney G**  
**Gilboa Y, Rumney G, Ber A:** "Virilizing" adrenal hyperplasia in an elderly man; association with chronic fatigue and fever. Arch Intern Med (Chicago) 114:475-81, Oct 64
- Runyon EH**  
**Pellman CM, Runyon EH:** The significance of mycobacteria other than tubercle bacilli in the urine: a report of forty-two cases. Amer Rev Resp Dis 90:243-7, Aug 64
- Rupe CE**  
**Couris GD, Block MA, Rupe CE:** Gastrointestinal complications of collagen diseases. Surgical implications. Arch Surg (Chicago) 89:695-700, Oct 64
- Rushmer RF**  
**Wiederhielm CA, Woodbury JW, Kirk S, Rushmer RF:** Pulsatile pressures in the microcirculation of frog's mesentery. Amer J Physiol 207:173-6, Jul 64
- Rushworth G**  
**Rushworth G:** The nature and management of spasticity. The pathophysiology of spasticity. Proc Roy Soc Med 57:715-20, Aug 64
- Russell PS**  
**Monaco AP, Wood ML, Russell PS:** A simple method for the preparation of cell free transplantation antigens. Physical and biological properties. Surg Forum 15:133-5, 1964
- Russell CS**  
**Russell CS:** Early discharge of maternity patients. Brit Med J 5418:1196-7, 7 Nov 64
- Russell F**



# ABRIDGED INDEX MEDICUS

- Nose Y, Russell F, Gradel FO, Kantrowitz A: Permanently implanted, plastic, auxiliary left ventricle. *Surg Forum* 15:269-71, 1964
- Russell IS, Hughes ES: Fibrosarcoma of the rectum. *Aust New Zeal J Surg* 34:27-31, Aug 64
- Russell PS, Monaco AP: The biology of tissue transplantation. *New Eng J Med* 271:776-83, concl, 8 Oct 64
- Gray JG, Monaco AP, Russell PS: Heterologous mouse anti-lymphocyte serum to prolong skin homografts. *Surg Forum* 15:142-4, 1964
- Russell WR, Schuster E: Page-turner for patients with paralysed hands. *Lancet* 2:893-4, 24 Oct 64
- Rustin SL, Wolk RL, Rustin SL: Psychologic evaluation of a gerontologic population: comparison of results with the Raven Progressive Matrices (1947) versus the Wechsler Adult Intelligence Scale. *J Amer Geriatr Soc* 12:807-9, Aug 64
- Rusby BF, Harakal C, Sevy RW, Rusby BF: Hemodynamic effects of tyramine. *J Pharmacol Exp Ther* 144:89-96, Apr 64
- Rutenburg AM, Smith EE, Rutenburg AM: Serum aminopeptidase in pregnancy, hydatiform mole, and choriocarcinoma. *Surg Forum* 15:391-2, 1964
- Rutman RJ, Rutman RJ: Experimental chemotherapy studies. V. The collateral sensitivity to alkylating agents of several antimetabolite-resistant ascites tumors in mice. *Cancer Res* 24:634-8, May 64
- Rutman RJ, Goldner RH, Martin-Guzman G, Jones J, Goldstein NO, Rotenberg S, Rutman RJ: Experimental chemotherapy studies. 3. Properties of DNA from ascites cells treated in vivo with nitrogen mustard. *Cancer Res* 24:964-8, Jul 64
- Rutman RJ, Lewis FS, Price CC: Experimental chemotherapy studies. IV. The protective action of mercaptoalkylamines against alkylating agents. *Cancer Res* 24:626-33, May 64
- Rutner JR, Kuenzle C, Sommerhalder M, Maier C, Rüttner JR: Die vier Serumbilirubin-Fraktionien bei der cholestatischen Hepatose. *Deutsch Med Wschr* 89:1475-7, 31 Jul 64 (Ger)
- Ryan MT, Ryan MT: Conjugation of androsterone in young and old subjects. *Acta Endocr (Copenhagen)* 46:170-8, Jun 64
- Ryan P, Ryan P: Some questions about adenomatous polyps. *Aust New Zeal J Surg* 34:59-61, Aug 64
- Ryan WL, Ryan WL: Regulation of the free amino acids of skin by hydrocortisone. *J Invest Derm* 43:121-3, Aug 64
- Rycoff P, Rycoff P: Evolution of plastic material in the surgery of retinal detachment. *Brit J Ophthalmol* 48:121-32, Mar 64
- Rycoff PV, Rycoff PV: Ophthaine (proparacine hydrochloride) a local anaesthetic for ophthalmic surgery. *Brit J Ophthalmol* 48:102-4, Feb 64
- Ryland ME, Ryland ME: A semimicro modification of the Karr urea determination method using the Somogyi serum filtrate. *Clin Chem* 10:406-11, May 64
- Rytel MW, Rytel MW, Conner GH, Welch CC, Kraybill WH, Edwards EA, Rosenbaum MJ, Frank PF, Miller LF: Infectious agents associated with cylindrical bronchiectasis. *Dis Chest* 46:23-8, Jul 64
- Sabelli HC, Greenberg R, Sabelli HC: DRUG EFFECTS ON EPINEPHRINE RELEASE FROM RAT ADRENAL MEDULLA HOMOGENATES AND GRANULE PREPARATIONS. *Proc Soc Exp Biol Med* 116:705-12, Jul 64
- Sabesin SM, Sabesin SM: Electron microscopy of hypersensitivity reactions. Intravascular antigen-antibody precipitation in acute anaphylactic shock. *Amer J Path* 44:889-904, Jun 64
- Sabet-Payman K, Goldstone J, Jacob SW: Surgical studies in hematopoiesis-successful growth of homologous bone marrow in an ectopic locus using imuran. *Surg Forum* 15:146-8, 1964
- Sabin AB, Sabin AB: Commentary on Report on Oral Poliomyelitis Vaccines. *JAMA* 190:52-5, 5 Oct 64
- Sacks MS, Spurling CL, Sacks MS, Jiji RM: Juvenile pernicious anemia. *New Eng J Med* 271:995-1003, 5 Nov 64
- Sadowsky D, Ommaya AK, Sadowsky D: A system of coding medical data for punched-card machine retrieval. 1. As applied to epilepsy. *Epilepsia (Amst)* 5:192-200, Jun 64
- Sadun EH, Buck AA, Sadun EH, Anderson RI, Shaffa E: Comparative studies of some immunologic screening tests for schistosomiasis in Ethiopia. *Amer J Hyg* 80:75-84, Jul 64
- Sadun EH, Duxbury RE, Sadun EH: Fluorescent antibody test for the serodiagnosis of visceral leishmaniasis. *Amer J Trop Med* 13:525-9, Jul 64
- Sadun EH, Sadun EH, Bruce JJ, Macomber PB: Parasitologic, pathologic and serologic reactions to *Schistosoma mansoni* in monkeys exposed to irradiated cercariae. *Amer J Trop Med* 13:548-57, Jul 64
- Saeed AH, Saeed AH: Experience with endobronchial medication. *Dis Chest* 46:143-9, Aug 64
- Saenz Arroyo L, Lombardo L, Alonso P, Saenz Arroyo L, Brandt H, Humberto Mateos J: Cerebral amebiasis: report of 17 cases. *J Neurosurg* 21:704-9, Aug 64
- Safar P, Safar P, Tenicela R: High altitude physiology in relation to anesthesia and inhalation therapy. *Anesthesiology* 25:515-31, Jul-Aug 64
- Safar P, Rotherham EB Jr, Safar P, Robin E: CNS disorder during mechanical ventilation in chronic pulmonary disease. *JAMA* 189:993-6, 28 Sep 64
- Sahi RP, Sahi RP, Singh RV: Monorchia with seminoma in a cryptorchid. An unusual case of tumour of testis. *Brit J Urol* 36:222-4, Jun 64
- Saidzafar H, Saidzafar H, Ruben CM: Visual acuity thresholds in amblyopes. *Brit J Ophthalmol* 47:153-63, Mar 63
- Saigal RK, Khanna SD, Saigal RK: Ectopic meningioma in an infant. *Arch Surg (Chicago)* 89:752-4, Oct 64
- Saigusa M, Buckley MJ, McLaughlin JS, Fort L 3d, Saigusa M, Morrow DH: Effects of anesthetic agents on pulmonary vascular resistance during hypoxia. *Surg Forum* 15:183-4, 1964
- Saita G, Vigliani EC, Saita G: Benzene and leukemia. *New Eng J Med* 271:872-6, 22 Oct 64
- Saito H, Urabe K, Saito H: The urease activity of mycobacteria. *Amer Rev Resp Dis* 90:266-7, Aug 64
- Saito S, Jones SA, Gregory G, Smith LL, Saito S, Joergenson EJ: Surgical management of the difficult and perforated duodenal stump: an experimental study. *Amer J Surg* 108:257-63, Aug 64
- Sakanoue M, Ames A 3d, Sakanoue M: A new method for preparing a plasma ultrafiltrate: distributions of 5 electrolytes. *J Lab Clin Med* 64:168-76, Jul 64
- Salamy BA, Lipton EL, Walsh LF, Mueller WJ, Salamy BA: A respiratory alarm for infants. *J Pediatr* 65:294-6, Aug 64
- Salassa RM, Mattox VR, Hayles AB, Salassa RM, Dion FR: Urinary steroid patterns and loss of salt in congenital adrenal hyperplasia. *J Clin Endocr* 24:517-27, Jun 64
- Salem ES, Johnson JW, Permutt S, Sipple JH, Salem ES: Effect of intra-alveolar fluid on pulmonary surface tension properties. *J Appl Physiol* 19:769-77, Jul 64
- Salem SN, Salem SN: Modification of Menghini liver biopsy needle. *Lancet* 2:794, 10 Oct 64
- Saliba NS, Larsen RR, Saliba NS, Sawyer KC: Postgastrectomy internal hernia. *Arch Surg (Chicago)* 89:725-30, Oct 64
- Sallou C, Sigwald J, Bonduelle M, Sallou C, Raverdy P, Piot C, Steenbrughe A van: Un nouvel anti-épileptique: le carbamyl-dibenzazepine ou 5-carbamoyl-5-H-dibenzazepine (G. 32883). *Presse Med* 72:2323-4, 26 Sep 64 (Fr)
- Salmon CW, Paretsky D, Downs CM, Salmon CW: Some biochemical changes in the guinea pig during infection with *Coxiella burnetii*. *J Bact* 88:137-42, Jul 64
- Salmon MV, Greenbaum D, Richardson PC, Salmon MV, Ulrich H: Pathological observations on six cases of diabetic neuropathy. *Brain* 87:201-14, Jun 64
- Saltzman GF, Lindgren P, Löfström B, Saltzman GF: Intravascular erythrocyte aggregation after intravenous injection of contrast media. *Acta Radiol [Diagn] (Stockholm)* 2:334-44, Jul 64
- Salvatore JE, Boyd HB, Salvatore JE: Acute fracture of the femoral neck: internal fixation or prosthesis? *J Bone Joint Surg [Amer]* 46:1066-8, Jul 64
- Salzberg DA, Salzberg DA: Metabolic antagonism between an azo dye and riboflavin: effect of 3'-methyl-4-monomethylaminoazobenzene on mutants of *Neurospora crassa*. *Cancer Res* 24:619-25, May 64
- Samiy E, Samiy E: Chronic subdural hematoma presenting a parkinsonian syndrome. *J Neurosurg* 20:903, Oct 63
- Samols E, Kuzuya T, Samols E: The plasma insulin "inhibitor" and immunoprecipitation assay. *Metabolism* 13:493-5, Jun 64
- Samper L, Kitamura I, Van Hoosier G Jr, Samper L, Taylor G, Trentin JJ: Characteristics of human adenovirus type 12 induced hamster tumor cells in tissue culture. *Proc Soc Exp Biol Med* 116:563-8, Jul 64
- Samson PC, May IA, Byrne WD, Yee J, Hardy KL, Samson PC: Left colon total bypass for benign and malignant disease of the esophagus. *Amer J Surg* 108:204-14, Aug 64
- Samuel E, Samuel E: The inferior vena cavaogram in pregnancy. *Radiological aspects*. *Proc Roy Soc Med* 57:702-4, Aug 64
- Samuels AS, Samuels AS: Use of group balance as a therapeutic technique. *Arch Gen Psychiat (Chicago)* 11:411-20, Oct 64
- Samy TS, Samy TS, Cama HR: Role of dietary fats in inducing hypercholesterolemia in rats. *J Atheroscler Res* 4:356-66, Jul-Aug 64
- Sances A Jr, Larson SJ, Sances A Jr, Jacobs JE: Suppression of cerebral cortex by electrical anesthesia. *Surg Forum* 15:397-8, 1964
- Sánchez Cascos A, Sánchez Cascos A: Finger-print patterns in congenital heart disease. *Brit Heart J* 28:524-7, Jul 64
- Sandberg H, Sandberg H, Rezaei M, Bellet S, Feinberg LJ, Mohler S, Gelber L: Fibrinolytic activity of human tissues from adult and infant cadavers. *J Lab Clin Med* 64:99-106, Jul 64
- Sanders MD, Sanders MD, Falconer MA: Optic nerve compression by an intracranial meningioma. *Brit J Ophthalmol* 48:13-8, Jan 64
- Sanders N, Sanders N: Keratoplasty. A method using track sutures and the operating microscope. *Brit J Ophthalmol* 47:149-52, Mar 63
- Sanderson RP, McKenna JM, Sanderson RP, Blakemore WS: Studies of the antigens of human tumors. I. Demonstration of a soluble specific antigen in HeLa cells and some human tumors. *Cancer Res* 24:754-62, May 64
- Sandok BA, Sandok BA: Alopecia areata: an apparent relationship to psychic factors. *Amer J Psychiat* 121:184-5, Aug 64
- Sandor T, Lanthier A, Sandor T: The urinary excretion of pregnanediol and pregnanetriol in the polycystic ovary (Stein-Leventhal) syndrome. *Acta Endocr (Copenhagen)* 46:245-55, Jun 64
- Sandstead HH, Mann GV, Shaffer RD, Anderson RS, Sandstead HH: Cardiovascular disease in the Masai. *J Atheroscler Res* 4:289-312, Jul-Aug 64
- Sanslone WR, Sanslone WR, Muntwyler E: Distribution of 5,5-dimethyl-2,4-oxazolidinedione (DMO) between plasma and erythrocytes. *Proc Soc Exp Biol Med* 116:582-5, Jul 64
- Sanzal BD, Sanzal BD, Zink MW, Stachow CS: Nicotinamide adenine dinucleotide-specific isocitric dehydrogenase. A possible regulatory protein. *J Biol Chem* 239:1597-603, May 64
- Sapeika N, Wilkens JA, Sapeika N: Effect of adrenaline on serum lipid stability in rabbits. *J Atheroscler Res* 4:346-50, Jul-Aug 64
- Sapp TM, Cohen SG, Sapp TM, Rizzo AP, Kostage ST: Experimental eosinophilia. VII. Lymph node responses to altered gamma globulins. *J Allerg* 35:346-55, Jul-Aug 64
- Sarcione EJ, Sokal JE, Sarcione EJ, Henderson AM: Relative potency of glucagon and epinephrine as hepatic glycogenolytic agents: studies with the isolated perfused rat liver. *Endocrinology* 74:930-8, Jun 64
- Sardi G, Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L: Effect of drug infusion on the systemic and splanchnic circulation. I. Bradykinin infusion in normal subjects. *Clin Sci* 28:487-91, Jun 64
- Sardi G, Feruglio FS, Greco F, Cesano L, Indovina D, Sardi G, Chiandussi L: Effect of drug infusion on the systemic and splanchnic circulation. 2. Octapressin infusion in normal and cirrhotic subjects. *Clin Sci* 28:493-8, Jun 64
- Sargent T, Sargent T, Linfoot JA, Stauffer H, Lawrence JH: Use of a whole body counter in turnover studies with Ca-47. *J Nucl Med* 5:407-16, Jun 64
- Sarkany I, Sarkany I: Hepato-cutaneous syndrome. *Proc Roy Soc Med* 57:521-2, Jun 64
- Sarkar AK, Rosenberg RJ, Sarkar AK, Pekala SJ: Endometrial stromaloma. Report of a case. *Obstet Gynec* 23:708-11, May 64
- Sarkar NK, Sarkar NK, Srivastava U: Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. *J Nutr* 83:193-201, Jul 64
- Sarma V, Sarma V: Ocular abnormalities of the foetus with special reference to cyclopia. *Brit J Ophthalmol* 47:193-202, Apr 63
- Sarnoff SJ, Daggett WM, Weisfeldt ML, Sarnoff SJ: Cardiac dynamics and contractility after acetyl strophanthidin in the closed chest dog. *Surg Forum* 15:251-3, 1964
- Sarwar M, Ford M, Sarwar M: Features of a clinically normal optic disc. *Brit J Ophthalmol* 47:50-2, Jan 63
- Sasaki M, Norman A, Ottoman RE, Sasaki M, Veomett RC: The frequency of dicentric in human leukocytes irradiated in vivo and in vitro. *Radiology* 83:108-10, Jul 64
- Saslaw S, Saslaw S, Carlisle HN: Antibody response in splenectomized monkeys. *Proc Soc Exp Biol Med* 116:738-42, Jul 64
- Sataloff J, Sataloff J, Wagner S, Menduke H: Kanamycin ototoxicity in healthy men. *Arch Otolaryng (Chicago)* 80:413-7, Oct 64
- Sathe NM



# ABRIDGED INDEX MEDICUS

- Rao BD, Subrahmanyam MV, Sathe NM: Cerebral tuberculoma simulating cystic glioma: a case report. *J Neurosurg* 20:172-3, Feb 63
- Sather GE
- Hammon WM, Sather GE: Virological findings in the 1960 hemorrhagic fever epidemic (dengue) in Thailand. *Amer J Trop Med* 13:629-41, Jul 64
- Satinoff E
- Satinoff E: Behavioral thermoregulation in response to local cooling of the rat brain. *Amer J Physiol* 206:1389-94, Jun 64
- Sato K
- Sato K, Glick B: Effect of ACTH on total adrenal cholesterol in bursectomized chicks. *Amer J Physiol* 207:47-9, Jul 64
- Sato O
- Berling EA Jr, Sato O: Hydrocephalus: changes in formation and absorption of cerebrospinal fluid within the cerebral ventricles. *J Neurosurg* 20:1050-63, Dec 63
- Sato R
- Kusaka T, Sato R, Shoji K: Comparison of cytochromes in mycobacteria grown in vitro and in vivo. *J Bact* 87:1383-8, Jun 64
- (Sauerbruch F)
- (Sauerbruch F): Ferdinand Sauerbruch (1875-1951)--thoracic surgeon. *JAMA* 190:152-3, 12 Oct 64
- Saunders FJ
- Ranney RE, Saunders FJ: Hypocholesterolemic effect of an androstereone analogue. *Proc Soc Exp Biol Med* 116:596-9, Jul 64
- Savard K
- Engel FL, McPherson HT, Fetter BF, Baggett B, Engel LL, Carter P, Fielding LL, Savard K, Dorfman RI: Clinical, morphological and biochemical studies on a malignant testicular tumor. *J Clin Endocr* 24:528-42, Jun 64
- Savastano AA
- Savastano AA, Thayer JB, Gibson TK: Experiences with the Harrington instrumentation method in the treatment of idiopathic scoliosis. A preliminary report. *J Int Coll, Surg* 42:421-8, Oct 64
- Sawyer KC
- Larsen RR, Saliba NS, Sawyer KC: Postgastrectomy internal hernia. *Arch Surg (Chicago)* 89:725-30, Oct 64
- Sawyer PN
- Reardon JJ, Lustrin I, Ogoniak J, Burrows BB, Sawyer PN: In vitro studies of direct current coagulation. *Surg Forum* 15:235-7, 1964
- Saxena KM
- Saxena KM, Crawford JD, Talbot NB: Childhood thymic cystosis: a long-term perspective. *Brit Med J* 54:1153-8, 7 Nov 64
- Scanlon EF
- Schultz PE, Scanlon EF: Time-dose relationship of 5-fluorouracil. *Surg Forum* 15:333-4, 1964
- Scarabich S
- Durand P, Borroni C, Scarabich S, Razzi A: Iperplasmazione delle areole mammarie e dei genitali esterni con ginecomastia in corso di trattamento con griseofulvina. *Minerva Med* 55:2422-5, 18 Aug 64 (It)
- Scarlata RW
- Strohmeier GW, Miller SA, Scarlata RW, Moore EW, Greenberg MS, Chalmers TC: Effects of hypoxia on iron absorption and mobilization in the rat. *Amer J Physiol* 207:55-61, Jul 64
- Scarpelli EM
- Rudolph AM, Scarpelli EM: Drug action on pulmonary circulation of unanesthetized dogs. *Amer J Physiol* 206:1201-6, Jun 64
- Scassellati Sforzolini G
- Scassellati Sforzolini G: Operation for blepharospasm. *Brit J Ophthalmol* 48:165-8, Mar 64
- Schaaf JT
- Hulka JF, Schaaf JT: Obstetrics in adolescents: a controlled study of deliveries by mothers 15 years of age and under. *Obstet Gynec* 23:878-85, May 64
- Schachtelin G
- Schachtelin G, Regoli D, Gross F: Quantitative assay and disappearance rate of circulating renin. *Amer J Physiol* 206:1361-4, Jun 64
- Schaff G
- Wyndham CH, Strydom NB, Munro A, MacPherson RK, Metz B, Schaff G, Schieber J: Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. *J Appl Physiol* 19:607-12, Jul 64
- Schaffert RR
- Getchell G, Kingsley GR, Schaffert RR: Direct automated determination of glucose by a glucose oxidase-peroxidase system. *Clin Chem* 10:540-8, Jun 64
- Schaffert RR
- Schaffert RR, Kingsley GR, Getchell G: Automated determination of serum glutamic oxalacetic and glutamic pyruvic transaminase. *Clin Chem* 10:519-32, Jun 64
- Schaffner F
- Barka T, Scheuer PJ, Schaffner F, Popper H: Structural changes of liver cells in copper intoxication. *Arch Path (Chicago)* 78:331-49, Oct 64
- Schaller RT Jr
- Schaller RT Jr, Stevenson JK, Karkins HN: Development of carcinoma of the thyroid in mice. *Surg Forum* 15:354-5, 1964
- Schapiro RH
- Schapiro RH, Drummey GD, Shimizu Y, Isselbacher KJ: Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. *J Clin Invest* 43:1338-47, Jul 64
- Scharff TG
- Scharff TG: Relationship of potassium ion transport to metabolism in acid-induced fermentation in yeast. *Proc Soc Exp Biol Med* 116:675-7, Jul 64
- Schatzman L
- Schatzman L, Bucher R: Negotiating a division of labor among professionals in the state mental hospital. *Psychiatry* 27:266-77, Aug 64
- Schauman KO
- Adlercreutz H, Schauman KO: A note on the chemical estimation of oestrogens in the urine of patients with liver disease. *Acta Endocr (Kobenhavn)* 48:230-4, Jun 64
- Schechter MM
- Conley JJ, Chusid JG, Schechter MM: Angiography in head and neck surgery. *Arch Surg (Chicago)* 89:609-18, Oct 64
- Schechter MM
- Zingesser LH, Schechter MM: The radiology of masses lying within and adjacent to the tentorial hiatus. *Brit J Radiol* 37:486-510, Jul 64
- Scheer GE
- Stamp WG, Whitesides TE, Field MH, Scheer GE: Treatment of vitamin-D resistant rickets. A long-term evaluation of its effectiveness. *J Bone Joint Surg [Amer]* 46:965-77, Jul 64
- Scheinberg LC
- Scheinberg LC, Suzuki K, Edelman F, Davidoff LM: Studies in immunization against a transplantable cerebral mouse glioma. *J Neurosurg* 20:312-7, Apr 63
- Schejter A
- George P, Schejter A: The reactivity of ferrocyclochrom c with iron-binding ligands. *J Biol Chem* 239:1504-8, May 64
- Schemm GW
- Schemm GW, Austin GM: Peripheral resistance in regulation of blood flow through stenotic vessels. *Surg Forum* 15:405-8, 1964
- Schencker B
- Schencker B: Drip infusion pyelography. Indications and applications in urologic roentgen diagnosis. *Radiology* 83:12-21, Jul 64
- Schenk WO Jr
- Hoyt RK, Domanig E, Hahnloser P, Delin NA, Schenk WO Jr: Blood viscosity alteration following hemorrhage and after volume restitution with saline, plasma, dextran, or shed blood. *Surg Forum* 15:34-5, 1964
- Schenker S
- Wilson H, Schenker S: Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. *Acta Endocr (Kobenhavn)* 48:197-206, Jun 64
- Schenkman J
- Richard DA, Schenkman J, Westerfeld WW: An antithyroidic assay based upon the response of rat liver alpha-glycerophosphate dehydrogenase. *J Nutr* 83:332-42, Aug 64
- Schepens CL
- Okamura JD, Schepens CL, Brockhurst RJ, Regan CD, McMeel JW: The scleral buckling procedures. VII. Silicone implants in reoperations. *Arch Ophthalmol (Chicago)* 72:297-308, Sep 64
- Schepens CL
- Pomerantzeff O, Schepens CL, Freeman HM: Studies in photocoagulation. I. The photocoagulating beam. *Brit J Ophthalmol* 48:298-305, Jun 64
- Schepens CL
- Pomerantzeff O, Schepens CL: Studies in photocoagulation. II. The observation system. *Brit J Ophthalmol* 48:306-10, Jun 64
- Scherago M
- Johnson RW, Scherago M: Effect of mononuclear cell depletion by cortisone on hypersensitivity of leukocytes from tuberculous guinea pigs to PPD. *Amer Rev Resp Dis* 90:231-42, Aug 64
- Scherrer J
- Bleicher SJ, Moldow CF, Scherrer J, Goldner MG: A lipid-mobilizing substance in the serum of pregnant women, of probable placental origin. *Metabolism* 13:583-6, Jun 64
- Scheuer PJ
- Barka T, Scheuer PJ, Schaffner F, Popper H: Structural changes of liver cells in copper intoxication. *Arch Path (Chicago)* 78:331-49, Oct 64
- Schick RW
- Kutt H, Schick RW, Rennie LE, McDowell F: The quantities of sodium diazotate in cerebral vessels during arteriography. *J Neurosurg* 20:515-9, Jun 63
- Schieber J
- Wyndham CH, Strydom NB, Munro A, MacPherson RK, Metz B, Schaff G, Schieber J: Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. *J Appl Physiol* 19:607-12, Jul 64
- Schiele BC
- Sharpley P, Mena A, Schiele BC, Heistad G: A comparison of pargyline and tranylcypromine with and without the addition of trifluoperazine: a double-blind study. *Curr Ther Res* 6:344-52, May 64
- Schiff M
- Von Leden H, Schiff M: Antimetabolite therapy in midline lethal granuloma. *Arch Otolaryng (Chicago)* 80:460-8, Oct 64
- Schilling FJ
- Schilling FJ, Hashim SA, Leonardy JG: Effect of controlled breakfast on serum cholesterol and triglycerides. *Amer J Clin Nutr* 15:1-4, Jul 64
- Schirger A
- Pappas G, Jones JM, Bernatz PE, Schirger A: Femoral aneurysms. Review of surgical management. *JAMA* 190:489-93, 9 Nov 64
- Schirmer KE
- Schirmer KE: Corneal sensitivity and contact lenses. *Brit J Ophthalmol* 47:493-5, Aug 63
- Schirmer KE
- Schirmer KE: Assessment of corneal sensitivity. *Brit J Ophthalmol* 47:488-92, Aug 63
- Schirren V
- Hawtrey AO, Schoeman CA, Dijkstra J, Schirren V, Nourse L: The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. *Brit J Cancer* 18:299-308, Jun 64
- Schisano G
- Schisano G, Tovi D, Nordenstam H: Spongioblastoma polare of the cerebral hemisphere. *J Neurosurg* 20:241-51, Mar 63
- Schlant RC
- Schlant RC, Galambos JT: Autoradiographic demonstration of ingested cholesterol-4-C-14 in the normal and atheromatous aorta. *Amer J Path* 44:877-87, Jun 64
- Schlip AO
- Stein AA, Opalka E, Schlip AO: Fatty-acid analysis of meningiomas by gas-phase chromatography. *J Neurosurg* 20:435-8, May 63
- Schloerb PR
- Grantham JJ, Schloerb PR: Measurement of intracellular hydrogen ion concentration in patients. *Surg Forum* 15:81-2, 1964
- Schlueter TM
- Schlueter TM, Kelly TR: Effect of low molecular weight dextrans and fibrinolysins on hemorrhagic shock. *Surg Forum* 15:32-4, 1964
- Schmahl D
- Schmahl D: Tumorzellen im strömenden Blut. *Deutsch Med Wschr* 89:1849-50, 25 Sep 64 (Ger)
- Schmidt KF
- Schmidt KF: Metabolism of procaine in cerebrospinal fluid contaminated with blood. *Anesthesiology* 25:563-4, Jul-Aug 64
- Schmitt W
- Schmitt W, Pippig L, Braun H: Die Splenoportographie bei Leberkranken. *Deutsch Med Wschr* 89:1790-4, 18 Sep 64 (Ger)
- Schmutzer KJ
- Schmutzer KJ, Holleran WM, Regan JF: Tumors of the small bowel. *Amer J Surg* 108:270-8, Aug 64
- Schneider CH
- Schneider CH: Reactions to tetanus toxoid: a report of five cases. *Med J Aust* 2:303-5, 22 Aug 64
- Schneider M
- Mathé G, Schneider M, Cattan A, Schwarzenberg L, Amiel JL: Essai de traitement de la leucémie myéloïde chronique par le dibromomannitol. *Presse Med* 72:2135-6, 12 Sep 64 (Fr)
- Schneider PE
- Schneider PE: Thyroidal iodine heterogeneity: "last come, first served" system of iodine turnover. *Endocrinology* 74:973-80, Jun 64
- Schneider RC
- Schneider RC, Crosby EC: The interplay between cerebral hemispheres and cerebellum in relation to tone and movements. *J Neurosurg* 20:188-98, Mar 63
- Schneyer CA
- Schneyer LH, Schneyer CA: Effects of pilocarpine on exchange of K42 in slices of submaxillary gland. *Proc Soc Exp Biol Med* 116:813-7, Jul 64
- Schneyer LH
- Schneyer LH, Schneyer CA: Effects of pilocarpine on exchange of K42 in slices of submaxillary gland. *Proc Soc Exp Biol Med* 116:813-7, Jul 64
- Schnitzler A
- Schnitzler A: Das Relaisystem im Abwehrmechanismus der Haut. *Int Arch Allerg* 24:Suppl:1-8, 1964 (Ger)
- Schoeller JP
- Coste F, Massias P, Schoeller JP: Forme pseudo-rhumatoïde de spondylarthrite ankylosante? *Presse Med* 72:2295-8, 23 Sep 64 (Fr)
- Schoeman CA
- Hawtrey AO, Schoeman CA, Dijkstra J, Schirren V, Nourse L: The effect of short-term feeding experiments with 3'-methyl-4-dimethylaminoazobenzene of rat-liver mitochondrial function. *Brit J Cancer* 18:299-308, Jun 64
- Schoen EJ
- Schoen EJ: Effect of local irradiation on testicular androgen biosynthesis. *Endocrinology* 75:58-65, Jul 64
- Schoenfeld RG
- Schoenfeld RG, Lewellen CJ: A colorimetric method for determination of serum chloride. *Clin Chem* 10:533-9, Jun 64
- Schoenfeld LJ
- Schoenfeld LJ, Fouk WT, Butt HR: Studies of sulfobromophthalein sodium (BSP) metabolism in man. I. In normal subjects and patients with hepatic disease. *J Clin Invest* 43:1409-18, Jul 64
- Schoenfeld LJ
- Schoenfeld LJ, Fouk WT: Studies of sulfobromophthalein sodium (BSP) metabolism in man. II. The effect of artificially induced fever, norethandrolone (Nilevar), and iopanoic acid (Telapaque). *J Clin Invest* 43:1419-23, Jul 64
- Schoenfeld LJ
- Schoenfeld LJ, McGill DB, Fouk WT: Studies of sulfobromophthalein sodium (BSP) metabolism in man. 3. Demonstration of a transport maximum (Tm) for biliary excretion of BSP. *J Clin Invest* 43:1424-32, Jul 64
- Schott EW
- Schott EW, Katzman PA: Separation and estimation of 17-alpha-estradiol. *Endocrinology* 74:870-7, Jun 64
- Schreiber HW
- Schreiber HW, Luchmann A, Schriebers KH, Esser G: Über das Ulcus bei der Leberzirrhose. *Deutsch Med Wschr* 89:1787-9, 18 Sep 64 (Ger)
- Schreiber MH
- Schreiber MH: Superior mesenteric artery calcification masquerading as abdominal aortic aneurysm. Its demonstration by intravenous aortography. *Vasc Dis* 1:209-11, Jul 64
- Schreibman RR
- Schreibman RR, Bach FH, Siltzbach LE: In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. *Lancet* 2:842-3, 17 Oct 64
- Schreier K
- Schreier K, Müller W: Idiopathische Hyperglycämie (Glycinose). *Deutsch Med Wschr* 89:1739-43, 11 Sep 64 (Ger)
- Schrek R
- Schrek R: Prolonged survival time of human leukemic lymphocytes in vitro. *Proc Soc Exp Biol Med* 116:298-300, Jun 64
- Schriebers KH
- Schreiber HW, Luchmann A, Schriebers KH, Esser G:



# ABRIDGED INDEX MEDICUS

- Über das Ulkus bei der Leberzirrhose. *Deutsch Med Wschr* 89:1787-9, 18 Sep 64 (Ger)
- Schrire V  
Schrire V: The racial incidence of the less common forms of heart disease at Groote Schuur Hospital, Cape Town, 1952-61. *S Afr Med J* 38:598-601, 15 Aug 64
- Schroeder FA  
Silver HK, Schroeder FA: Congenital muscular hypertrophy. An association with increased urinary mucopolysaccharides. *Amer J Dis Child* 108:406-12, Oct 64
- Schroeder HA  
Schroeder HA: Cadmium hypertension in rats. *Amer J Physiol* 207:62-6, Jul 64
- Schroeder HA  
Schroeder HA: Salt hunger unaffected by cadmium in rats allowed saline solution by choice. *Amer J Physiol* 207:67-70, Jul 64
- Schroeder HA  
Schroeder HA, Balassa JJ, Vinton WH Jr: Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. *J Nutr* 83:239-50, Jul 64
- Schroepfer GJ Jr  
Dempsey ME, Seaton JD, Schroepfer GJ Jr, Trockman RW: The intermediary role of delta-5,7-cholestadien-3-beta-ol in cholesterol biosynthesis. *J Biol Chem* 239:1381-7, May 64
- Schroer H  
Simon G, Schroer H: The cell-catch procedure. A new method which preserves all cellular elements of spinal-fluid samples. *J Neurosurg* 20:787-92, Sep 63
- Schubert M  
Doganges PT, Schubert M: The use of lanthanum to study the degradation of a proteinolysaccharide from cartilage. *J Biol Chem* 239:1498-503, May 64
- Schuck C  
Burrill LM, Schuck C: Phenylalanine requirements with different levels of tyrosine. *J Nutr* 83:202-8, Jul 64
- Schuknecht HF  
Schuknecht HF: A new stapedectomy prosthesis. *Arch Otolaryng* (Chicago) 80:474, Oct 64
- Schuknecht HF  
Schuknecht HF: Further observations on the pathology of presbycusis. *Arch Otolaryng* (Chicago) 80:369-82, Oct 64
- Schulert AR  
Browne HG, Schulert AR: Biological disposition of some antimonyl antihelminthic drugs: sodium antimony-2,3-meso-dimercapto-succinate (Astiban) in animals infected with *Schistosoma mansoni*. *Amer J Trop Med* 13:558-71, Jul 64
- Schulman H  
Lewis F, Schulman H, Hayashi TT: Spectrophotometric analysis of amniotic fluid in erythroblastosis fetalis. *JAMA* 190:195-8, 19 Sep 64
- Schulman H  
Thaidigman JH, Schulman H: Placenta localization using radioactive I-131-tagged human serum albumin. *Obstet Gynec* 23:757-63, May 64
- Schultz PE  
Schultz PE, Scanlon EF: Time-dose relationship of 5-fluorouracil. *Surg Forum* 15:333-4, 1964
- Schultz PW  
Schultz RL, Schultz PW: Effects of adenosine triphosphate on ethionine-induced resorption. *Proc Soc Exp Biol Med* 116:273-5, Jun 64
- Schultz RL  
Schultz RL, Blattman JE: Uptake of ethionine-ethyl-H3 by the rat conceptus. *Proc Soc Exp Biol Med* 116:604-7, Jul 64
- Schultz RL  
Schultz RL, Schultz PW: Effects of adenosine triphosphate on ethionine-induced resorption. *Proc Soc Exp Biol Med* 116:273-5, Jun 64
- Schultze AB  
Schultze AB: Triphenyltetrazolium reduction by uterine tissue of rats. *Proc Soc Exp Biol Med* 116:653-5, Jul 64
- Schulze E  
Schulze E: Kolontumoren und Mineralstoffwechselstörung. *Deutsch Med Wschr* 89:1482, 31 Jul 64 (Ger)
- Schumann R  
Lagrange E, Schumann R: Spätprognose bei Kindern mit operierter Meningocele. *Deutsch Med Wschr* 89:1457-62, 31 Jul 64 (Ger)
- Schumer W  
Schumer W, Lee DK: Physiologic and metabolic effects of vasodilators on the microcirculation of the dog omentum in low flow states. *Surg Forum* 15:76-8, 1964
- Schupak E  
Merrill JP, Schupak E, Cameron E, Hampers CL: Hemodialysis in the home. *JAMA* 190:468-70, 2 Nov 64
- Schurter M  
Letterman G, Schurter M: The split-thickness skin graft in the management of hereditary hemorrhagic telangiectasia involving the nasal mucosa. *Plast Reconstr Surg* 34:126-35, Aug 64
- Schuster E  
Russell WR, Schuster E: Page-turner for patients with paralysed hands. *Lancet* 2:893-4, 24 Oct 64
- Schwab R  
(Ayer JB), Denny-Brown D, Viets H, Adams R, Schwab R, Kubik C, Smith R: James Bourne Ayer, MD 1882-1963. *Arch Neurol* (Chicago) 11:449-51, Oct 64
- Schwabe AD  
Valdivieso VD, Schwabe AD: Effect of exclusion of hepatic circulation on oxidation of octanole acid in the rat. *Proc Soc Exp Biol Med* 116:290-2, Jun 64
- Schwartz B  
Facon E, Schwartz B: Le traitement hormonal de l'œdème cérébral des accidents cérébrovasculaires. *Presse Med* 72:2377-9, 3 Oct 64 (Fr)
- Schwartz EE  
Schwartz EE, Winsten S: Serum properdin in tumor-bearing mice. II. The influence of tumors of different origin. *Cancer Res* 24:830-4, Jun 64
- Schwartz EE  
Schwartz EE, Winsten S: Serum properdin in tumor-bearing mice. I. Comparison with natural and immune antibodies. *Cancer Res* 24:825-9, Jun 64
- Schwartz HG  
Smith KR Jr, Schwartz HG, Luse SA, Ogura JH: Nasal gliomas: a report of five cases with electron microscopy of one. *J Neurosurg* 20:968-82, Nov 63
- Schwartz I  
Nahas GG, Verosky M, Schwartz I: Urinary excretion of THAM citrate orally administered. *Proc Soc Exp Biol Med* 116:378-82, Jun 64
- Schwartz JT  
Schwartz JT, Ambler SS: Comparability of a sample of certified Schiotz tonometers. With an evaluation of the potential influence of tonometer variability on the outcome of epidemiologic field studies. *Arch Ophthalmol* (Chicago) 72:672-8, Nov 64
- Schwartz M  
Schwartz M, Emde JW, Shagass C: Comparison of constant current and constant voltage stimulators for scalp-recorded somatosensory responses. *Electroenceph Clin Neurophysiol* 17:81-3, Jul 64
- Schwartz S  
Modell J, Schwartz S: Some antagonistic effects of "hematoporphyrin" and protoporphyrin in mice. *Proc Soc Exp Biol Med* 116:399-402, Jun 64
- Schwartz S  
Modell J, Schwartz S: Oxygen uptake and cardiovascular response of mice and rabbits administered "hematoporphyrin". *Proc Soc Exp Biol Med* 116:395-9, Jun 64
- Schwartz SI  
Adesola AO, Schwartz SI: Histamine and antihistamine in experimental ascites. *Surg Forum* 15:111-3, 1964
- Schwartz SI  
Adams JT, Schwartz SI: Dynamics of blood, lymph, and ascitic fluid interchange. *Surg Forum* 15:110-1, 1964
- Schwartz SI  
Jacobsen DS, Schwartz SI: Effect of hyperbaric oxygenation on hepatic inflow occlusion. *Surg Forum* 15:198-200, 1964
- Schwartz SI  
Barner HB, Breslau RC, Schwartz SI, McCormack RM: Cryotolerance of superoxygenated human skin explants. *Surg Forum* 15:477-8, 1964
- Schwartz TB  
Becker FO, Clark J, Schwartz TB: L-leucine sensitivity and glucose tolerance in normal subjects. *J Clin Endocr* 24:554-9, Jun 64
- Schwartz K  
Schwarz K: No trace for tuberculosis. *Brit J Clin Pract* 18:433, Jul 64
- Schwartz S  
Mihaly JP, Schwarz S, Condreras A: Superior pulmonary sulcus tumor with classical Pancoast syndrome: case report. *J Amer Geriatr Soc* 12:800-6, Aug 64
- Schwartz-Speck M  
Schwarz-Speck M, Maeder E: Immunologische Untersuchungen mit natürlichem und synthetischem ACTH bei ACTH-Allergikern. *Int Arch Allerg* 24:Suppl:29-47, 1964 (Ger)
- Schwarzenberg L  
Mathé G, Schneider M, Cattani A, Schwarzenberg L, Amiel JL: Essai de traitement de la leucémie myéloïde chronique par le dibromomannitol. *Presse Med* 72:2135-6, 12 Sep 64 (Fr)
- Schwedel JW  
Furman S, Escher JW, Schwedel JW, Solomon N, Rubinstein B: Motion factors producing breaks in implanted cardiac pacemaker leads. *Surg Forum* 15:248-9, 1964
- Schweigart F  
Dreyer JJ, Du Bruyn DE, Brandt J, Lombard JH, Schweigart F: A preliminary note on the nutrient composition and protein value of green maize. *S Afr Med J* 38:648-52, 22 Aug 64
- Scialabba DA  
Scialabba DA, Shulman K: Use of steroids in clinical and experimental cerebral edema. *Surg Forum* 15:426-7, 1964
- Sciara G  
Sciara G, Nicol A: Carcinoma of the thyroid in myxoedema. *J Clin Path* 17:438-43, Jul 64
- Scoggin WA  
Harbert GM Jr, Scoggin WA, McGaughey HS Jr, Thornton WN Jr: Placental hemodynamics in an artificial system. *Surg Forum* 15:388-9, 1964
- Scott DB  
Scott DB, Owen JA, Richmond J: Methaemoglobinemia due to prilocaine. *Lancet* 2:728-9, 3 Oct 64
- Scott DB  
Scott DB: Inferior vena cava caval occlusion in late pregnancy. *Proc Roy Soc Med* 57:705, Aug 64
- Scott DJ  
Scott DJ, Dollery CT, Hill DW, Hodge JV, Fraser R: Fluorescein studies of the retinal circulation in diabetics. *Brit J Ophthalmol* 47:588-9, Oct 63
- Scott DJ  
Hill DW, Dollery CT, Hodge JV, Scott DJ: Current developments in ophthalmology. Fluorescein studies of the choroidal circulation. *Proc Roy Soc Med* 57:500-2, Jun 64
- Scott GA  
Scott GA: Melkersson's syndrome. *Brit J Clin Pract* 18:415-8, Jul 64
- Scott HW Jr  
Stephenson SE Jr, Younger RK, Scott HW Jr: Experimental primate atherosclerosis. *Surg Forum* 15:287-8, 1964
- Scott ML  
Calvert CC, Desai JD, Scott ML: Effect of linoleic acid on nutritional muscular dystrophy in the chick. *J Nutr* 83:307-13, Aug 64
- Scott RB  
Malt RA, Scott RB: Influence of thyroxine on the ribosomal synthesis of collagen. *Surg Forum* 15:54-5, 1964
- Scoville WB  
Scoville WB, Manlapaz JS, Otis RD, Cabieses F: Intrasplenic enterogenous cyst. *J Neurosurg* 20:704-6, Aug 63
- Scratch GP  
Scratch GP, Thomas LM, Darmody WR: Cinematographic studies of the palmar vasculature in the monkey and cat. *Surg Forum* 15:409-10, 1964
- Scriabine A  
Scriabine A, Booher KD, McShane WK, Constantine JW, Miknius S: Some cardiovascular actions of benzquinamide. *J Pharmacol Exp Ther* 144:131-7, Apr 64
- Scroggie WB  
Fordtran JS, Scroggie WB, Polter DE: Colonic absorption of tryptophan metabolites in man. *J Lab Clin Med* 64:125-32, Jul 64
- Seager LD  
Wood CD, Seager LD, Ferrell G: Influence of autonomic blockade on aconitine induced pulmonary edema. *Proc Soc Exp Biol Med* 116:809-11, Jul 64
- Sealy WC  
Lesage MA, Tsuchioka H, Young WG Jr, Sealy WC: Tolerance of dogs to deep hypothermia. Controlled and maintained with a pump oxygenator. *Arch Surg* (Chicago) 89:877-84, Oct 64
- Seaton DA  
Seaton DA, Duncan LJ: Treatment of "refractory obesity" with a diet of two meals per day. *Lancet* 2:612-4, 19 Sep 64
- Seaton JD  
Dempsey ME, Seaton JD, Schroepfer GJ Jr, Trockman RW: The intermediary role of delta-5,7-cholestadien-3-beta-ol in cholesterol biosynthesis. *J Biol Chem* 239:1381-7, May 64
- Sebus J  
Sebus J, Charbon GA: Spontaneous nocturnal gastric secretion-acid, pepsin. In patients with or without duodenal ulcer. *Arch Surg* (Chicago) 89:709-15, Oct 64
- Sedláčková J  
Vrabec F, Sedláčková J: Neuro-histological findings in osteopetrosis (Albers-Schönberg disease). *Brit J Ophthalmol* 48:218-22, Apr 64
- Seedat YK  
Seedat YK: Some observations of renal tubular acidosis—a family study. *S Afr Med J* 38:806-10, 15 Aug 64
- Segal HL  
Seiffert MJ, Segal HL, Miller LL: Chromatographic separation of pepsins from human gastric juice. *Amer J Physiol* 207:8-12, Jul 64
- Segal M  
Segal M: Excessive consumption of drugs. *Brit Med J* 54:1492-3, 10 Oct 64
- Segall A  
Segall A, Reed R: Human exposure to external background radiation. A population survey in northern New England. *Arch Environ Health* (Chicago) 9:492-9, Oct 64
- Segalove M  
Jacobs SL, Henry RJ, Segalove M: Studies on the determination of bile pigments. V. Comparison of some methods for determination of total, free, and conjugated bilirubin in serum. *Clin Chem* 10:433-9, May 64
- Segawa K  
Segawa K: Electron microscopic studies on the human corneal epithelium; dendritic cells. *Arch Ophthalmol* (Chicago) 72:650-9, Nov 64
- Segerfeldt A  
Despopoulos A, Segerfeldt A: Efflux of organic acids from rabbit kidney cortex. *Amer J Physiol* 207:118-22, Jul 64
- Seham M  
Seham M: Discrimination against Negroes in hospitals. *New Eng J Med* 271:940-3, 29 Oct 64
- Seifter E  
Sobel J, Seifter E: Sweating in the treatment of chronic uraemia. *Lancet* 2:760-1, 3 Oct 64
- Seiffert MJ  
Seiffert MJ, Segal HL, Miller LL: Chromatographic separation of pepsins from human gastric juice. *Amer J Physiol* 207:8-12, Jul 64
- Seki M  
Seki M, Strauss L: Absence of one umbilical artery. Analysis of 60 cases with emphasis on associated developmental aberrations. *Arch Path* (Chicago) 78:446-53, Oct 64
- Sela M  
Neumann H, Goldberger RF, Sela M: Interaction of phosphorothioate with the disulfide bonds of ribonuclease and lysozyme. *J Biol Chem* 239:1536-40, May 64
- Selbin J  
Williams VR, Selbin J: Divalent metal ion activation of beta-methylaspartase. *J Biol Chem* 239:1635-9, May 64
- Selby DM  
Anderson LG, Selby DM, Wuerflein RD, Campbell GS: Protective influence of external counter-pressure after acute hemorrhage in dogs. *Surg Forum* 15:4-6, 1964
- Selby DM  
Selby DM, Haddy FJ, Campbell GS: Vasodilator material in ischemic tissues. *Surg Forum* 15:232-3, 1964
- Selenkow HA  
Garcia AM, Selenkow HA: Immunologic inhibition of endogenous or exogenous thyrotropin in various species. *Proc Soc Exp Biol Med* 116:467-71, Jun 64
- Seligman SJ  
Seligman SJ, Mickey MR: Estimation of the number of infectious bacterial or viral particles by the dilution method. *J Bact* 88:31-6, Jul 64
- Selkurt EE  
Rothe CF, Selkurt EE: Cardiac and peripheral failure



# ABRIDGED INDEX MEDICUS

- in hemorrhagic shock in the dog.  
Amer J Physiol 207:203-14, Jul 64
- Selkurt EE**  
Waldhausen JA, Abel FL, Selkurt EE: Splanchnic blood flow in the monkey during hemorrhagic shock. Surg Forum 15:7-8, 1964
- Sellden U**  
Kaiser E, Petersén I, Sellden U, Kagawa N: EEG data representation in broad-band frequency analysis. Electroenceph Clin Neurophysiol 17:76-80, Jul 64
- Sellden U**  
Sellden U, Söderholm B: Electroencephalographic and circulatory responses to meglumine in normal subjects. Electroenceph Clin Neurophysiol 17:11-6, Jul 64
- Sellden U**  
Sellden U: Repeated activation with meglumine in normal subjects: electroencephalographic responses and threshold doses. Electroenceph Clin Neurophysiol 17:1-10, Jul 64
- Seller MJ**  
Seller MJ, Spector RG: The effects of anoxia on the newborn and adult rat lung. J Path Bact 88:309-11, Jul 64
- Selner JC**  
Isom JB, Gordy PD, Selner JC, Brown LJ, Willis M: Brain abscess due to Haemophilus aphrophilus. New Eng J Med 271:1059-61, 12 Nov 64
- Selzer A**  
Popper RW, Selzer A, Osborn JJ, Kerth WJ, Robinson SJ, Gerbode F: Arrhythmias after cardiac surgery. II. Cyanotic tetralogy of Fallot, with comments in regard to ventricular septal defect. Amer Heart J 68:32-7, Jul 64
- Selzer A**  
Selzer A, Wray HW: Quinidine syncope. Paroxysmal ventricular fibrillation occurring during treatment of chronic atrial arrhythmias. Circulation 30:17-26, Jul 64
- Semb HT**  
Semb HT: The treatment of club-foot and its results: a follow-up study. Acta Orthop Scand 34:271-82, 1964
- Semb LS**  
Semb LS, Rheault MJ, Stevenson JK, Fletcher TL, Harkins HN, Nyhus LM: A gastric inhibitory substance from dog antral juice. Surg Forum 15:319-21, 1964
- Semler HJ**  
Norland CC, Semler HJ: Angina pectoris and arrhythmias documented by cardiac telemetry. JAMA 190:115-8, 12 Oct 64
- Senze J**  
Thoyer-Rozat J, Senze J, Brizard J: A propos de la conduite à tenir vis-à-vis des nouveau-nés de mère diabétique. Presse Med 72:2541-2, 17 Oct 64 (Fr)
- Senior JR**  
Hampers CL, Prager D, Senior JR: Post-transfusion anicteric hepatitis. New Eng J Med 271:749-54, 8 Oct 64
- Senning RS**  
Gittelsohn AM, Senning RS: Tabulation of vital records by computer. Public Health Rep 79:895-904, Oct 64
- Sergovich FR**  
Sergovich FR, Valentine GH, Carr DH, Soltan HC: Mongolism (Down's syndrome) with atypical clinical and cytogenetic features. J Pediatr 65:197-207, Aug 64
- Serpin G**  
Rouher F, Serpin G: Action du phényl-propionate de nor-androsténolone dans la rétinopathie diabétique. Presse Med 72:2211-2, 19 Sep 64 (Fr)
- Serra C**  
Gensini GG, DiGiorgi S, Serra C, Coskun O, Black A: Coronary angiography. Vasc Dis 1:34-44, Jan 64
- Serratrige G**  
Serratrige G, Tatossian A, Poinso Y: Amyotrophie de Charcot-Marie associée à une atrophie optique bilatérale. Presse Med 72:2535-6, 17 Oct 64 (Fr)
- Sessions RT**  
Foster JH, Killen DA, Sessions RT, Rhea GW, Winfrey EW 3d, Collins HA: The relative toxicity of angiographic contrast media. Vasc Dis 1:8-20, Jan 64
- Setliff JA**  
Rogers TA, Setliff JA: Valve of fluid and electrolyte supplements in subarctic survival situations. J Appl Physiol 19:580-2, Jul 64
- Sevel D**  
Sevel D: Progressive muscular dystrophy of the extra-ocular muscles in a Negro. Brit J Ophthalmol 48:39-41, Jan 64
- Sevilla J**  
De la Cruz B, Pesigan TP, Banzon TC, Sevilla J, Donato C, Cruz A, Castro V: A report on the labeling of Schistosoma japonicum cercariae with radioiron. Amer J Trop Med 13:545-7, Jul 64
- Sevy RW**  
Harakal C, Sevy RW, Rusy BF: Hemodynamic effects of tyramine. J Pharmacol Exp Ther 144:89-96, Apr 64
- Sexton AW**  
Sexton AW, Marchioro TL, Waddell WR, Starzl TE: Liver deglycogenation after portacaval transposition. Surg Forum 15:120-2, 1964
- Sexton RR**  
Crowder JI, Sexton RR: Keratoconjunctivitis resulting from the sap of candelabra cactus and the pencil tree. Arch Ophthalmol (Chicago) 72:476-84, Oct 64
- Seys Y**  
Hildebrand GJ, Seys Y: Mechanism and significance of endotoxin-induced sensitization to acetylcholine in rabbits. Amer J Physiol 206:1213-6, Jun 64
- Sezer N**  
Sezer N, Erçikan C: Kaposi's sarcoma with ocular manifestations. Brit J Ophthalmol 48:223-6, Apr 64
- el-Shaboury AH**  
el-Shaboury AH: Controlled study of a new inhalant in asthma and bronchitis. Brit Med J 5416:1037-40, 24 Oct 64
- Shackman R**  
Dempster WJ, Harrison CV, Shackman R: Rejection processes in human homotransplanted kidneys. Brit Med J 5415:969-76, 17 Oct 64
- Shaeffer JR**  
Shaeffer JR: Lack of enhanced lysis of fibrinogen-I-131 by anticoagulants in tumor-bearing rats. Amer J Physiol 206:1251-4, Jun 64
- Shaffa E**  
Buck AA, Sadun EH, Anderson RI, Shaffa E: Comparative studies of some immunologic screening tests for schistosomiasis in Ethiopia. Amer J Hyg 80:75-84, Jul 64
- Shaffer RD**  
Mann GV, Shaffer RD, Anderson RS, Sandstead HH: Cardiovascular disease in the Macal. J Atheroscler Res 4:289-312, Jul-Aug 64
- Shafir E**  
Koren Z, Shafir E: Placental transfer of free fatty acids in the pregnant rat. Proc Soc Exp Biol Med 116:411-4, Jun 64
- Shaftan GW**  
Chin CJ, Shaftan GW, Dennis C: Hypotension: determinant in spontaneous control of arterial hemorrhage. Surg Forum 15:3-4, 1964
- Shagass C**  
Schwartz M, Emde JW, Shagass C: Comparison of constant current and constant voltage stimulators for scalp-recorded somatosensory responses. Electroenceph Clin Neurophysiol 17:81-3, Jul 64
- Shah KC**  
Verma BS, Gulati OD, Gokhale SD, Shah KC: Guanine thidine and phenoxymethylamine in atopic dermatitis. A clinical trial. Arch Derm (Chicago) 90:414-7, Oct 64
- Shahani SK**  
Shahani SK, Rao SS: Immunochemical and biological similarity between human luteinizing hormone and one of the antigenic components of human chorionic gonadotrophin. Acta Endocr (Copenhagen) 46:317-30, Jun 64
- Shaikh VA**  
Jennings RC, Shaikh VA, Allen WM: Renal ischaemia due to thrombosis of renal artery resulting from metastases from primary carcinoma of the bronchus. Brit Med J 5416:1053-4, 24 Oct 64
- Shaka JA**  
Benitez L, Shaka JA: Cell proliferation in experimental hydronephrosis and compensatory renal hyperplasia. Amer J Path 44:961-72, Jun 64
- Shambaugh GE Jr**  
Kerth JD, Shambaugh GE Jr: Irrigation of open vestibule in stapes surgery. A clinical and experimental study. Arch Otolaryng (Chicago) 80:392-7, Oct 64
- Shamma'a MH**  
Shamma'a MH, Al-Khalidi U: Uptake of cholesterol by segments of small intestine of rat. Amer J Physiol 207:33-6, Jul 64
- Shanta V**  
Krishnamurthi S, Shanta V, Udayachandrar: Stromal interference in radioresponse of squamous cell carcinoma of the oral cavity. Clin Radiol 15:246-50, Jul 64
- Shapiro A**  
Shapiro A, Goodenough DR, Biederman I, Sleser I: Dream recall and the physiology of sleep. J Appl Physiol 19:778-83, Jul 64
- Shapiro J**  
Kleinfeld M, Messite J, Shapiro J, Kooyman O, Swencicki R: Lung function in talc workers. Arch Environ Health (Chicago) 9:559-66, Nov 64
- Shapiro SK**  
Shapiro SK, Yphantis DA, Almenas A: Biosynthesis of methionine in Saccharomyces cerevisiae. Partial purification and properties of s-adenosylmethionine: homocysteine methyltransferase. J Biol Chem 239:1551-6, May 64
- Sharma GP**  
Sharma GP, Eiseman B: Protective effect of adenosine triphosphate in experimental hemorrhagic shock. Surg Forum 15:27-8, 1964
- Sharp RP**  
Urbach KF, Lee WR, Sheely LL, Lang FL, Sharp RP: Spinal or general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. JAMA 190:25-9, 5 Oct 64
- Sharpe WS**  
Palumbo LT, Sharpe WS, Lulu DJ, Bloom MH, Dragstedt LR 2d, Lawson LJ: Distal antrectomy with vagotomy. Results in 265 cases of chronic duodenal ulcer with hemorrhage. Arch Surg (Chicago) 89:637-44, Oct 64
- Sharples P**  
Sharples P, Mena A, Schiele BC, Heistad G: A comparison of pargyline and tranlycypromine with and without the addition of trifluoperazine: a double-blind study. Curr Ther Res 6:344-52, May 64
- Sharpstone P**  
Greenberg G, Anderson R, Sharpstone P, James DG: Enlargement of parotid gland due to sarcoidosis. Brit Med J 5413:861-2, 3 Oct 64
- Sharrard WJ**  
Sharrard WJ: The peripheral surgery of spasticity. Proc Roy Soc Med 57:724-5, Aug 64
- Shaw CM**  
Loop JW, White LE Jr, Shaw CM: Traumatic occlusion of the basilar artery within a clivus fracture. Radiology 83:36-40, Jul 64
- Shaw DB**  
Young WA, Shaw DB, Bates DV: Effect of low concentrations of ozone on pulmonary function in man. J Appl Physiol 19:785-8, Jul 64
- Shaw HJ**  
Shaw HJ: The clinical importance of orbital signs in cancer of the paranasal sinuses. Proc Roy Soc Med 57:742-8, Aug 64
- Shaw NE**  
Shaw NE: Studies on intramedullary pressure and blood flow in bone. Amer Heart J 68:134-5, Jul 64
- Shaw PC**  
Caro D, Craft IL, Howells JB, Shaw PC: Diagnosis and treatment of injury of lateral ligament of the ankle joint. Lancet 2:720-3, 3 Oct 64
- Shaw RS**  
DeLorme TL, Shaw RS, Austen WG: Musculo-skeletal functions in the amputated perfused human being limb. Surg Forum 15:450-2, 1964
- Shay H**  
Barlow SP, Komarov SA, Shay H: Effect of total adrenalectomy on gastric secretion in chronic gastric fistula rats. Amer J Physiol 206:1309-14, Jun 64
- Shay H**  
Shay H, Gruenstein M, Shimkin MB: Inhibition of mammary cancer in rats by a dithiocarbamoylhydrazine (ICI-33,828). Cancer Res 24:998-1001, Jul 64
- Shea M**  
Alexander RL, Shea M: Malignant melanoma en plaque. Local extraocular extension. Arch Ophthalmol (Chicago) 72:498-500, Oct 64
- Shealy CN**  
Shealy CN: A comparison of renografin and hypaque for carotid arteriography. J Neurosurg 20:137-8, Feb 63
- Shearman RP**  
Shearman RP: Diagnostic ovarian stimulation with heterologous gonadotrophin. Brit Med J 5417:1115-6, 31 Oct 64
- Shearman RP**  
Shearman RP, Lee CW, Ibery PL: Clinical, hormonal and cytogenetic findings in a true hermaphrodite. J Obstet Gynaec Brit Comm 71:627-33, Aug 64
- Shearn MA**  
Shearn MA, Tu WH, Piel CF: Recurrent nephrotic syndrome. Arch Intern Med (Chicago) 114:525-9, Oct 64
- Sheely LL**  
Urbach KF, Lee WR, Sheely LL, Lang FL, Sharp RP: Spinal or general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. JAMA 190:25-9, 5 Oct 64
- Sheffel DD**  
Overton MC 3d, Sheffel DD: Recurrent cystic formation in craniopharyngioma treated with radioactive chromic phosphate. Case report. J Neurosurg 20:707-10, Aug 63
- Shefner AM**  
King ME, Shefner AM, Ehrlich R: Effectiveness of aurin tricarboxylic acid (ATA) as an antidote for beryllium poisoning. Industr Med Surg 33:566-9, Aug 64
- Sheil AG**  
Sheil AG, Moseley RV, Murray JE: Differential skin and renal homograft survival in dogs on immunosuppressive therapy. Surg Forum 15:168-8, 1964
- Sheldon P**  
Sheldon P: Percutaneous cannulation of the carotid artery. Brit J Radiol 37:526-30, Jul 64
- Sheline GE**  
Phillips TL, Sheline GE, Boldrey E: Therapeutic considerations in tumors affecting the central nervous system: ependymomas. Radiology 83:98-105, Jul 64
- Shelley WB**  
Shelley WB, Ralston EL: Paronychia due to an enchondroma. Arch Derm (Chicago) 90:412-3, Oct 64
- Shelley WB**  
Shelley WB, Prencel RW, Spont SS: Autoimmune progesterone dermatitis. Cure by oophorectomy. JAMA 190:35-8, 5 Oct 64
- Shelley WB**  
Shelley WB: Birch pollen and aspirin psoriasis. A study in salicylate hypersensitivity. JAMA 189:985-8, 28 Sep 64
- Shelokov A**  
Wiebenga NH, Shelokov A, Gibbs CJ Jr, Mackenzie RB: Epidemic hemorrhagic fever in Bolivia. II. Demonstration of complement-fixing antibody in patients' sera with junin virus antigen. Amer J Trop Med 13:626-8, Jul 64
- Shenkin HA**  
Haft H, Shenkin HA: Spinal epidural meningioma: case report. J Neurosurg 20:801-4, Sep 63
- Sherbaniuk R**  
Campbell DJ, Sherbaniuk R, Rigby J: False positive reaction due to methocarbamol in the screening test for vanilmandelic acid (VMA). Clin Chem 10:447-50, May 64
- Sherman RT**  
Sherman RT, Britt LG, Wilson H: Experimental replacement of the common bile duct. Surg Forum 15:371-3, 1964
- Sherman WB**  
Sherman WB, Werner SC: Generalized allergic reaction to bovine throtropin. JAMA 190:244-5, 19 Sep 64
- Sherry S**  
Sherry S, Alkjaersig N, Fletcher AP: Assay of urokinase preparations with the synthetic substrate acetyl-L-lysine methyl ester. J Lab Clin Med 64:145-53, Jul 64
- Shewell J**  
Shewell J, Wright EA, Bewley DK, Silvester A: The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation. J Path Bact 88:61-71, Jul 64
- Shields AB**  
Shields AB: Congenital cystic dilatation of the common bile duct: follow-up in three cases and discussion of pertinent features. Amer J Surg 108:142-9, Aug 64
- Shields JD 3d**  
Lubash GD, Phillips RE, Shields JD 3d, Bonsnes RW: Acute aniline poisoning treated by hemodialysis. Report of a case. Arch Intern Med (Chicago) 114:530-2, Oct 64
- Shields JL**  
Platner WS, Shields JL, Purdy FA: Tissue glycogen fractions of the hypothermic rat, hamster, and turtle. Amer J Physiol 207:42-6, Jul 64



# ABRIDGED INDEX MEDICUS

- Shillito J Jr**  
Shillito J Jr, Rockett FX: Retinal artery embolism: a complication of carotid endarterectomy. *J Neurosurg* 20:718-20, Aug 63
- Shillito J Jr**  
Shillito J Jr: Carotid arteritis: a cause of hemiplegia in childhood. *J Neurosurg* 21:540-51, Jul 64
- Shimada FT**  
Macmorine HG, Shimada FT, Kamocki B, Kunigelle S, Parilous W: Separation of SV40 from poliovirus by extraction with 1-butanol. *Proc Soc Exp Biol Med* 116:310-3, Jun 64
- Shimada M**  
Barker SB, Shimada M: Some aspects of metabolism of thyroxine and of analogues devoid of the phenolic group. *Mayo Clin Proc* 39:609-25, Aug 64
- Shimazu H**  
Yoshida M, Yanagisawa N, Shimazu H, Givre A, Narabayashi H: Physiological identification of the thalamic nucleus. *Arch Neurol (Chicago)* 11:435-43, Oct 64
- Shimizu CS**  
Collipp PJ, Kaplan SA, Boyle DC, Shimizu CS: Protein bound human growth hormone. *Metabolism* 13:532-8, Jun 64
- Shimizu Y**  
Schapiro RH, Drummey GD, Shimizu Y, Isselbacher KJ: Studies on the pathogenesis of the ethanol-induced fatty liver. II. Effect of ethanol on palmitate-1-C-14 metabolism by the isolated perfused rat liver. *J Clin Invest* 43:1338-47, Jul 64
- Shimkin MB**  
Shay H, Gruenstein M, Shimkin MB: Inhibition of mammary cancer in rats by a dithiocarbamoylhydrazine (ICI-33,828). *Cancer Res* 24:998-1001, Jul 64
- Shinohara Y**  
Ehrlich JC, Shinohara Y: Low incidence of coronary thrombosis in myocardial infarction. A restudy by serial block technique. *Arch Path (Chicago)* 78:432-45, Oct 64
- Shinoh K**  
Hayata Y, Hayashi M, Oho K, Shinoh K: Significance of carcinoma cells in the blood relative to surgery of pulmonary carcinoma. *Dis Chest* 46:51-60, Jul 64
- Shipkey FH**  
Southam CM, Shipkey FH, Babcock VI, Bailey R, Erlanson RA: Virus biographies. I. Growth of West Nile and Guarua viruses in tissue culture. *J Bact* 88:187-99, Jul 64
- Shipman JJ**  
Shipman JJ: Finger biopsy forceps. *Lancet* 2:844, 17 Oct 64
- Shiratori T**  
Goodman DS, Deykin D, Shiratori T: The formation of cholesterol esters with rat liver enzymes. *J Biol Chem* 239:1335-45, May 64
- Shivers CA**  
Shivers CA, Metz CB, Lutwak-Mann C: Some properties of pig follicular fluid. *J Reprod Fertil* 8:115-20, Aug 64
- Shlevin EL**  
Pedowitz P, Shlevin EL: Review of management of pregnancy complicated by diabetes and altered carbohydrate metabolism. *Obstet Gynec* 23:716-29, May 64
- Shnider SM**  
Shnider SM, Singer MM: Adaptation of the infant pulmonator. *Anesthesiology* 25:574-5, Jul-Aug 64
- Shocket E**  
Shocket E, Drosd RE, Tate CF Jr: Granuloma of the skin due to Mycobacterium fortuitum. *Southern Med J* 57:1352-6, Nov 64
- Shoemaker WC**  
Carey JS, Suzuki F, Mladick RA, Baker RJ, Shoemaker WC: Hemodynamic effects of low viscosity dextran in surgical shock. *Surg Forum* 15:22-4, 1964
- Shoji K**  
Kusaka T, Sato R, Shoji K: Comparison of cytochromes in mycobacteria grown in vitro and in vivo. *J Bact* 87:1383-8, Jun 64
- Shonk CE**  
Shonk CE, Koven BJ, Majima H, Boxer GE: Enzyme patterns in human tissues. II. Glycolytic enzyme patterns in nonmalignant human tissues. *Cancer Res* 24:722-31, May 64
- Shonk CE**  
Shonk CE, Boxer GE: Enzyme patterns in human tissues. I. Methods for the determination of glycolytic enzymes. *Cancer Res* 24:709-21, May 64
- Shooter RA**  
Price DJ, Shooter RA: Toxin production of faecal strains of Clostridium welchii. *Brit Med J* 5418:1176-7, 7 Nov 64
- Shope RE**  
White DC, Leidy G, Jamieson JD, Shope RE: Porcine contagious pleuropneumonia. 3. Interrelationship of Hemophilus pleuropneumoniae to other species of Hemophilus: nutritional, metabolic, transformation, and electron microscopy studies. *J Exp Med* 120:1-12, 1 Jul 64
- Shorb MS**  
Pollard WO, Shorb MS, Lund PG, Vasaitis V: Effect of triparanol on synthesis of fatty acids by Tetrahymena pyriformis. *Proc Soc Exp Biol Med* 116:539-43, Jun 64
- Short DH**  
South MA, Short DH, Knox JM: Failure of erythromycin estolate therapy in utero syphilis. *JAMA* 190:70-1, 5 Oct 64
- Shorter RG**  
Shorter RG, Titus JL, Divertie MB: Cell turnover in the respiratory tract. *Dis Chest* 46:138-42, Aug 64
- Shrum RC**  
Shrum RC, Williams GS, Allen MS Jr, Kenneweg DJ: Simplified technique of ileocolostomy. *Surg Forum* 15:299-301, 1964
- Shubin H**  
Shubin H, Glaskin A: A new diagnostic and therapeutic approach in the treatment of hypertension. *Curr Ther Res* 6:368-72, May 64
- Shukla BR**  
Shukla BR, Ahuja OP, Pradhan JS: Removal of corneal scleral sutures: new technique. *Arch Ophthalmol (Chicago)* 72:645-6, Nov 64
- Shukla BR**  
Nath K, Shukla BR: Posterior peripheral (eccentric) lenticonus: with a note on the evolution of lenticoni. *Brit J Ophthalmol* 47:760-3, Dec 63
- Shukla BR**  
Nath K, Shukla BR: Orbital leiomyoma and its origin. *Brit J Ophthalmol* 47:369-71, Jun 63
- Shukla BR**  
Nath K, Vijay SD, Nema HV, Shukla BR: Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. *Brit J Ophthalmol* 48:162-4, Mar 64
- Shulman K**  
Shulman K, Martin BF, Popoff N, Ransohoff J: Recognition and treatment of hydrocephalus following spontaneous subarachnoid hemorrhage. *J Neurosurg* 20:1040-9, Dec 63
- Shulman K**  
Scialabba DA, Shulman K: Use of steroids in clinical and experimental cerebral edema. *Surg Forum* 15:426-7, 1964
- Shurtleff DB**  
Foltz EL, Shurtleff DB: Five-year comparative study of hydrocephalus in children with and without operation (113 cases). *J Neurosurg* 20:1064-79, Dec 63
- Sias FR Jr**  
Andy OJ, Jurko MF, Sias FR Jr: Subthalamotomy in treatment of parkinsonian tremor. *J Neurosurg* 20:860-70, Oct 63
- Sibthorpe EM**  
Miltford-Barborton GD, Sibthorpe EM: Labour following caesarean section in a primitive community. A study of 801 patients. *J Obstet Gynaec Brit Comm* 71:469-73, Jun 64
- Sideris D**  
Mouloupos S, Kehayoglou K, Stamatiopoulos S, Sideris D: Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. *New Eng J Med* 271:895-7, 22 Oct 64
- Sidwell RW**  
Sidwell RW, Lundgren DL, Thorpe BD: Psittacosis complement-fixing antibodies in sera from fauna of the Great Salt Lake Desert of Utah. *Amer J Trop Med* 13:591-4, Jul 64
- Siegel E**  
Siegel E: Health and day care for children of migrant workers. *Public Health Rep* 79:847-52, Oct 64
- Siegel IM**  
Siegel IM, Bruno B: Determination of fixation in the dark-adapted eye by means of fundus photography. *Arch Ophthalmol (Chicago)* 72:670-1, Nov 64
- Siegel SI**  
Linde LM, Siegel SI, Martelle RR, Simmons DH: Lung function in congenital heart disease. *Dis Chest* 46:48-50, Jul 64
- Sievert HW**  
Sievert HW, Finley RA: Serum transaminase response to drum trauma in conditioned animals. *Proc Soc Exp Biol Med* 116:754-7, Jul 64
- Sigstad H**  
Abrahamsen AM, Humerfelt S, Sigstad H: Effects of guanethidine on renal function. *Acta Med Scand* 176:59-63, Jul 64
- Sigwald J**  
Sigwald J, Bonduelle M, Sallou C, Raverdy P, Plot C, Steenbrugge A van: Un nouvel anti-épileptique: le carbamylidibenzazépine ou 5-carbamoyl-5-H-dibenzo (b, f) azépine (G. 32883). *Presse Med* 72:2323-4, 26 Sep 64 (Fr)
- Sihota GS**  
Sihota GS: Scleral ledge in cataract incision: a cause of rupture of the capsule. *Brit J Ophthalmol* 47:567-9, Sep 63
- Silbert JE**  
Silbert JE: Incorporation of <sup>14</sup>C and <sup>3</sup>H from labeled nucleotide sugars into a polysaccharide in the presence of a cell-free preparation from cartilage. *J Biol Chem* 239:1310-5, May 64
- Silen W**  
Baldwin JN, Albo R, Jaffe B, Silen W: Metabolic effects of selective and total vagotomy. *Surg Forum* 15:303-5, 1964
- Siltzbach LE**  
Hirschhorn K, Schreibman RR, Bach FH, Siltzbach LE: In-vitro studies of lymphocytes from patients with sarcoidosis and lymphoproliferative diseases. *Lancet* 2:842-3, 17 Oct 64
- Silver D**  
Silver D, Anlyan WG: In vivo evaluation of clot lysis. *Surg Forum* 15:237-9, 1964
- Silver HK**  
Silver HK, Schroeder FA: Congenital muscular hypertrophy. An association with increased urinary mucopolysaccharides. *Amer J Dis Child* 108:406-12, Oct 64
- Silver MJ**  
Reid WO, Silver MJ: Activation of the blood fibrinolytic enzyme system by platelets. *Amer J Physiol* 206:1255-61, Jun 64
- Silver RK**  
Greene AE, Silver RK, Krug M, Coriell LL: Preservation of cell cultures by freezing in liquid nitrogen vapor. *Proc Soc Exp Biol Med* 116:462-7, Jun 64
- Silverstein A**  
Silverstein A: Neuropathy in hemophilia. *JAMA* 190:554-5, 9 Nov 64
- Silverstein H**  
Lindeman RC, Silverstein H: The "arrow tube" *Arch Otolaryng (Chicago)* 80:473, Oct 64
- Silverster A**  
Shewell J, Wright EA, Bewley DK, Silverster A: The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation. *J Path Bact* 88:61-71, Jul 64
- Silvola H**  
Silvola H, Peltokallio P: Torsion of the appendix testis. *Ann Chir Gynaec Fenn* 53:400-7, 1964
- Simeone FA**  
Giojubs RW, Simeone FA: Effects of vasopressors and blocking agents on the kidney in oligemia. *Surg Forum* 15:12-3, 1964
- Simmons DH**  
Linde LM, Siegel SI, Martelle RR, Simmons DH: Lung function in congenital heart disease. *Dis Chest* 46:48-50, Jul 64
- Simmons DR**  
Simmons DR, Portnoy HD, Gurdjian ES: Packing with muscle of internal carotid artery for aneurysm with immediate occlusion and subsequent establishment of flow. *J Neurosurg* 20:1000-4, Nov 63
- Simmons WK**  
Van Reen R, Simmons WK, Jenkins LJ Jr: Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. *J Nutr* 83:358-64, Aug 64
- Simon C**  
Simon C: Parapertussis. *Deutsch Med Wschr* 89:1733-9, 11 Sep 64 (Ger)
- Simon C**  
Simon C, Ströder J: Das Durand-Zunin-Syndrom. Mitteilung einer einschlägigen Beobachtung. *Helv Paediat Acta* 19:78-86, Jun 64 (Ger)
- Simon ER**  
Ways P, Simon ER: The role of serum in acanthocyte autohemolysis and membrane lipid composition. *J Clin Invest* 43:1322-8, Jul 64
- Simon ER**  
Simon ER, Ways P: Incubation hemolysis and red cell metabolism in acanthocytosis. *J Clin Invest* 43:1311-21, Jul 64
- Simon G**  
Simon G, Schröder H: The cell-catch procedure. A new method which preserves all cellular elements of spinal-fluid samples. *J Neurosurg* 20:787-92, Sep 63
- Simon G**  
Bertók L, Kemenes F, Simon G: Fatal leptospirosis icterohaemorrhagica induced by ethionine in albino rats. *J Path Bact* 88:329-31, Jul 64
- Simons HM**  
Lowney ED, Witkowski, Simons HM, Zagula ZW: Value of comedo extraction in treatment of acne vulgaris. *JAMA* 189:1000-2, 28 Sep 64
- Simons KM**  
Rulon JT, Simons KM: Clinico-histological study of chronic pharyngeal symptoms. *Ann Otol* 73:501-27, Jun 64
- Simpson AJ**  
Fontana AL, Simpson AJ: Arrhenoblastoma. Review of the literature and report of a case. *Obstet Gynec* 23:730-4, May 64
- Simpson CF**  
Simpson CF, Neal FC: Influence of high dietary sodium chloride on aortic ruptures in turkeys induced by diethylstilbestrol. *Proc Soc Exp Biol Med* 116:334-6, Jun 64
- Sims RA**  
Allen R, Sims RA, Sulkin SE: Studies with cultured brown adipose tissue. I. Persistence of rabies virus in bat brown fat. *Amer J Hyg* 80:11-24, Jul 64
- Sims RA**  
Allen R, Sims RA, Sulkin SE: Studies with cultured brown adipose tissue. II. Influence of low temperature on rabies virus infection in bat brown fat. *Amer J Hyg* 80:25-32, Jul 64
- Sinclair-Smith B**  
Thomas J, Sinclair-Smith B, Bloomfield D, Davachi A: Non-surgical retrieval of a broken segment of steel spring guide from the right atrium and inferior vena cava. *Circulation* 30:106-8, Jul 64
- Singer FM**  
Lerner LJ, Turkheimer AR, Bianchi A, Singer FM, Borman A: Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. *Proc Soc Exp Biol Med* 116:385-8, Jun 64
- Singer JA**  
Singer JA, Smith JL: Experimental corneal histoplasmosis. *Brit J Ophthalmol* 48:293-7, Jun 64
- Singer MM**  
Shnider SM, Singer MM: Adaptation of the infant pulmonator. *Anesthesiology* 25:574-5, Jul-Aug 64
- Singer TP**  
Cremona T, Singer TP: The lactic dehydrogenases of yeast. V. Chemical properties and function of the zinc component of D-lactic cytochrome reductase. *J Biol Chem* 239:1466-73, May 64
- Singerman A**  
Singerman A: Studies on lead poisoning in Argentina. *Arch Environ Health (Chicago)* 9:464-72, Oct 64
- Singh D**  
Singh D: Pre-placed versus post-placed corneo-scleral sutures in cataract surgery. *Brit J Ophthalmol* 47:116-22, Feb 63
- Singh MD**  
Singh MD, Garrison RG: Propylene glycol aerosolization and the diagnosis of pulmonary histoplasmosis. *Dis Chest* 46:82-8, Jul 64
- Singh RV**  
Sahi RP, Singh RV: Monorchia with seminoma in a cryptorchid. An unusual case of tumour of testis. *Brit J Urol* 36:222-4, Jun 64
- Singleton AO Jr**  
Redmond DC 2d, Muraki T, Singleton AO Jr: Effects of recirculating jejunal loops on absorption and transit after massive bowel resection in dogs. *Surg Forum* 15:291-2, 1964
- Sinha D**  
Moy P, Sinha M, Sinha D, Furth J: Specific immunoprecipitation of mouse thyrotropins in plasma and thyrotropic tumor extracts. *Proc Soc Exp Biol Med* 116:843-6, Jul 64



# ABRIDGED INDEX MEDICUS

- Sinha M**  
Moy P, Sinha M, Sinha D, Furth J: Specific immunoprecipitation of mouse thyrotropins in plasma and thyrotropic tumor extracts. *Proc Soc Exp Biol Med* 116:643-6, Jul 64
- Supple JH**  
Johnson JW, Permutt S, Supple JH, Salem ES: Effect of intra-alveolar fluid on pulmonary surface tension properties. *J Appl Physiol* 19:769-77, Jul 64
- Sirak HD**  
Passanti GT, Sirak HD: Influence of hypothermia and anoxia upon the biochemistry of heart muscle. *Surg Forum* 15:210-2, 1964
- Sircus W**  
Sircus W: Evidence for a gastric secretagogue in the circulation and gastric juice of patients with Zollinger-Ellison syndrome. *Lancet* 2:671-2, 20 Sep 64
- Sircus W**  
Sircus W: 'Orabase' in the management of abdominal-wall digestion by ileostomy and fistulas. *Lancet* 2:762, 3 Oct 64
- Sisson JC**  
Sisson JC, Beierwalters WH: Effect of thyroidectomy with and without thyroxine replacement on transplantable thyroid tumors in rats. *Endocrinology* 74:925-9, Jun 64
- Site J**  
Wertheimer P, Froment R, Descotes J, Site J, Weber B: Exiguïté artérielle constitutionnelle: facteur probable de thrombo-artériose du type Buerger. *Presse Med* 72:2259-64, 23 Sep 64 (Fr)
- Sitnick JL**  
Sitnick JL, Warren WD, Klein MR: The evaluation of sphincter of Oddi function. *Surg Forum* 15:373-5, 1964
- Sitprija V**  
Sitprija V, Holmes JH: Isoniazid intoxication. *Amer Rev Resp Dis* 90:248-54, Aug 64
- Sitprija V**  
Sitprija V, Holmes JH, Ellis PP: Intraocular pressure changes during artificial kidney therapy. *Arch Ophthalmol (Chicago)* 72:626-31, Nov 64
- Sittmann DB**  
Sittmann DB, Rollins WC, Sittmann K, Casady RB: Seasonal variation in reproductive traits of New Zealand white rabbits. *J Reprod Fertil* 8:29-37, Aug 64
- Sittmann K**  
Sittmann DB, Rollins WC, Sittmann K, Casady RB: Seasonal variation in reproductive traits of New Zealand white rabbits. *J Reprod Fertil* 8:29-37, Aug 64
- Sivaramasubramaniam P**  
Sivaramasubramaniam P: Solitary metastatic orbital tumour due to sympathetic neuroblastoma. *Brit J Ophthalmol* 47:312-3, May 63
- Sjoerdsma A**  
Sjoerdsma A, Melmon KL: Severe flushing reactions responsive to steroids in patients with bronchial carcinoma. *Lancet* 2:791-2, 10 Oct 64
- Sjogren SE**  
Galloway JR, Greitz T, Sjogren SE: Vertebral angiography in the diagnosis of ventricular dilatation. *Acta Radiol [Diagn] (Stockholm)* 2:321-33, Jul 64
- Skandalakis JE**  
Gray SW, Johnson HC Jr, Skandalakis JE: Gastric teratoma in an adult: With a review of the literature. *Southern Med J* 57:1346-51, Nov 64
- Skillman TG**  
Heaney RP, Skillman TG: Secretion and excretion of calcium by the human gastrointestinal tract. *J Lab Clin Med* 64:29-41, Jul 64
- Skinner DB**  
Grep JM, Chambers DA, Skinner DB, McCrae CR, Nardi GL: Pancreatitis in the isolated perfused pancreas. *Surg Forum* 15:88-9, 1964
- Skinner SL**  
Skinner SL, McCubbin JW, Page IH: Control of renin secretion. *Circ Res* 15:64-76, Jul 64
- Skjaeggstad O**  
Anderssen N, Skjaeggstad O: The electrocardiogram in patients with previous myocardial infarction. *Acta Med Scand* 176:123-6, Jul 64
- Skolnik EM**  
Skolnik EM, Lowey A, Smoler J: Experiences with partial laryngopharyngectomy. *Ann Otol* 73:417-25, Jun 64
- Skoryna SC**  
Edward DW, Skoryna SC: Properties of gel mucin of human gastric juice. *Proc Soc Exp Biol Med* 116:794-9, Jul 64
- Skoryna SC**  
Paul TM, Edward DW, Skoryna SC: Effect of acidic polysaccharides on bone uptake of radioactive strontium and calcium. *Surg Forum* 15:66-7, 1964
- Skultety FM**  
Skultety FM, Joynt RJ: Clinical implications of adipia. *J Neurosurg* 20:793-800, Sep 63
- Sky-Peck HH**  
Sky-Peck HH: A method for determination of magnesium in serum and urine. *Clin Chem* 10:391-8, May 64
- Slattery JR**  
Bono RF, Slattery JR, Grossi CE, Rousselot LM: Hepatic regulation of fibrinolysis—the liver as the source of inhibitor. *Surg Forum* 15:94-5, 1964
- Sleser I**  
Shapiro A, Goodenough DR, Biederman I, Sleser I: Dream recall and the physiology of sleep. *J Appl Physiol* 19:778-83, Jul 64
- Slessor IM**  
Clark CG, Murray JG, Slessor IM, Wyllie JH: Complete vagotomy and its consequences: follow-up of 146 patients. *Brit Med J* 5414:900-3, 10 Oct 64
- Sloan WR**  
Sloan WR: Infertility in Northern Ireland. A retrospect of nine years in a fertility clinic. II. Observations on genital tuberculosis in the female, sex chromatin study of selected cases of azoospermia and the conception rate after 2-11 years related to semen analysis. *J Obstet Gynaec Brit Comm* 71:411-7, Jun 64
- Sloan WR**  
Sloan WR: Infertility in Northern Ireland. A retrospect of nine years in a fertility clinic. I. Observations on the diagnostic and therapeutic value of some common procedures used in the investigation of the female. *J Obstet Gynaec Brit Comm* 71:404-11, Jun 64
- Sloane HN Jr**  
Sloane HN Jr, Chow BF: Vitamin B 6 deficiency and the initial acquisition of behavior. *J Nutr* 83:379-84, Aug 64
- Slocum GG**  
Osheroff BJ, Slocum GG, Decker WM: Status of botulism in the United States. *Public Health Rep* 79:871-8, Oct 64
- Sloop RD**  
Baddeley RM, Nutting RO, Ross TH, Sloop RD, Halasz NA, Orloff MJ: Gastric secretion in experimental liver disease. *Surg Forum* 15:114-8, 1964
- Slowik F**  
Pásztor E, Szabó G, Slowik F, Zoltán J: Cavernous hemangioma of the base of the skull; report of a case treated surgically. *J Neurosurg* 21:582-5, Jul 64
- Small M**  
Epstein SS, Small M, Falk HL, Mantel N: On the association between photodynamic and carcinogenic activities in polycyclic compounds. *Cancer Res* 24:855-62, Jun 64
- Small MJ**  
Small MJ, Miller WN, Leiner GC, Strauss HD, Abramowitz S: Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. *Amer Rev Resp Dis* 90:223-30, Aug 64
- Smart JG**  
Smart JG: Radioactive phosphorus treatment of bone-metastatic carcinoma of the prostate. *Lancet* 2:882-3, 24 Oct 64
- Smellie H**  
Tanser AR, Smellie H: Observations on adrenaline-induced fibrinolysis in man. *Clin Sci* 28:375-80, Jun 64
- Smessaert AA**  
Arkins R, Smessaert AA, Hicks RG: Mortality and morbidity in surgical patients with coronary artery disease. *JAMA* 190:485-8, 9 Nov 64
- Smetana K**  
Smetana K, Busch H: Studies on the ultrastructure of the nuclei of the Walker tumor and rat liver. *Cancer Res* 24:537-57, May 64
- Smietanska Z**  
Aleksandrow D, Klopotoski T, Smietanska Z: Effect of physical activity upon cholesterol synthesis in the rat liver. *J Atheroscler Res* 4:351-5, Jul-Aug 64
- Smink RD Jr**  
Smink RD Jr, Abernethy RW, Ratnoff OD, Lepow IH: Enhancement of vascular permeability by mixtures of C1 esterase and normal serum. *Proc Soc Exp Biol Med* 116:280-3, Jun 64
- Smirk FH**  
Smirk FH: Observations on the mortality of 270 treated and 199 untreated retinal grade I and II hypertensive patients followed in all instances for five years. (With special reference to the basal blood pressure, and to the presence of absence of certain hypertensive disabilities at the onset). *New Zeal Med J* 63:413-43, Jul 64
- Smitt GL**  
Smitt GL: The use of formalin-preserved human erythrocytes in the toxoplasma haemagglutination test. *Trop Geogr Med* 16:152-8, Jun 64
- Smith AD**  
Smith AD: Cyanide encephalopathy in man? *Lancet* 2:668-70, 20 Sep 64
- Smith AG**  
Smith AG: Cytologic and cytotoxic changes induced by nucleic acids. *Cancer Res* 24:603-13, May 64
- Smith AJ**  
Holman CA, Smith AJ, Whimster WF, Beale D, Lehmann H: Hemoglobin J-Baltimore in a Kent family. *Brit Med J* 5414:921-2, 10 Oct 64
- Smith B**  
Smith B, Hanson DV: The ductus venosus of the human liver. *Surg Forum* 15:394-6, 1964
- Smith CA**  
Bryan WT, Bryan MP, Smith CA: Human ciliated epithelial cells in nasal secretions. Morphologic and histochemical aspects. *Ann Otol* 73:474-87, Jun 64
- Smith CD**  
Smith CD, Ritter R, Larsh HW, Furcolow ML: Infection of white swiss mice with airborne *Cryptococcus neoformans*. *J Bact* 87:1364-8, Jun 64
- Smith DA**  
Smith DA, Nordin BE: The effect of a high phosphorus intake on total and ultrafiltrable plasma calcium and on phosphate clearance. *Clin Sci* 26:479-86, Jun 64
- Smith DW**  
Navalkar RG, Wiegshauss EH, Smith DW: Relationship of mycoside content and colony morphology for group 2 and group 3 unclassified mycobacteria. *J Bact* 88:255-9, Jul 64
- Smith DW**  
Smith DW, Fregnan GB, De Laquerriere L, Valdivia E: Induction of acquired resistance in guinea pigs with defatted *Mycobacterium tuberculosis* vaccines. *J Bact* 88:87-92, Jul 64
- Smith DW**  
Navalkar RG, Wiegshauss EH, Smith DW: Relationship of mycoside content and colony morphology for group 2 and group 3 unclassified mycobacteria. *J Bact* 88:255-9, Jul 64
- Smith DW**  
Smith DW, Fregnan GB, De Laquerriere L, Valdivia E: Induction of acquired resistance in guinea pigs with defatted *Mycobacterium tuberculosis* vaccines. *J Bact* 88:87-92, Jul 64
- Smith DW**  
Smith DW, Bostian KE: Congenital anomalies associated with idiopathic mental retardation. *J Pediatr* 65:189-96, Aug 64
- Smith EE**  
Smith EE, Rubenbush AM: Serum aminopeptidase in pregnancy, hydatiform mole, and choriocarcinoma. *Surg Forum* 15:391-2, 1964
- (Smith FB)**  
(Smith FB), Cameron GR: Fredric Battinson Smith, 16 February 1888-10 July 1963. *J Path Bact* 88:365-8, Jul 64
- Smith HF**  
Darrow CW, Smith HF: An instrument for automatic scoring of EEG phase relationships. *Electroenceph Clin Neurophysiol* 16:614-6, Jun 64
- Smith JJ**  
Filkins JP, Murphy DL, Doty JM, Smith JJ: Effect of phenoxylbenzamine on phagocytic activity and shock mortality in the rat. *Proc Soc Exp Biol Med* 116:757-62, Jul 64
- Smith JL**  
Singer JA, Smith JL: Experimental corneal histoplasmosis. *Brit J Ophthalmol* 48:293-7, Jun 64
- Smith JL**  
Mahaley MS Jr, Smith JL, Odum GL: Ophthalmic arterial pressure and flow during extracorporeal perfusion of carotid of dogs and monkeys. *J Neurosurg* 20:1080-4, Dec 63
- Smith JP**  
Pugh RC, Smith JP: Teratoma. *Brit J Urol* 36:Suppl:28-44, Jun 64
- Smith JW**  
Smith JW, Ringland J, Wilson R: Vascularization of skin grafts. *Surg Forum* 15:473-5, 1964
- Smith KR Jr**  
Smith KR Jr, Schwartz HG, Luse SA, Ogura JH: Nasal gliomas: a report of five cases with electron microscopy of one. *J Neurosurg* 20:968-82, Nov 63
- Smith LH**  
Smith LH: Marrow transplantation measured by uptake of Fe59 by spleen. *Amer J Physiol* 206:1244-50, Jun 64
- Smith LL**  
Jones SA, Gregory G, Smith LL, Saito S, Joergenson EJ: Surgical management of the difficult and perforated duodenal stump: an experimental study. *Amer J Surg* 108:257-63, Aug 64
- Smith LL**  
Smith LL, Muller W, Hinshaw DB: The management of experimental endotoxin shock. The circulatory effects of levaterenol, hydrocortisone, phenoxylbenzamine hydrochloride, and blood volume expansion. *Arch Surg (Chicago)* 89:630-6, Oct 64
- Smith M**  
Smith M: The contribution of halothane to anaesthesia. *New Zeal Med J* 63:444-7, Jul 64
- Smith MC**  
Smith MC, Adams JE: Occlusion of the blood supply to the brain of the goat: protective effect of deep hypothermia. *J Neurosurg* 20:46-50, Jan 63
- Smith MC**  
Smith MC, Wise BL: Punched-out erosion of lamina by spinal ependymoma: case report. *J Neurosurg* 20:265-6, Mar 63
- Smith MG**  
Smith MG: Grease-gun injury. *Brit Med J* 5414:918-20, 10 Oct 64
- Smith MJ**  
Bryant C, Voller A, Smith MJ: The incorporation of radioactivity from [14C]glucose into the soluble metabolic intermediates of malaria parasites. *Amer J Trop Med* 13:515-9, Jul 64
- Smith P**  
Kelleher J, Walters G, Robinson R, Smith P: Chemical tests for phaeochromocytoma. *J Clin Path* 17:399-404, Jul 64
- Smith PF**  
VanDemark PJ, Smith PF: Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by *Mycoplasma hominis*. *J Bact* 88:122-9, Jul 64
- Smith PK**  
Kundin WD, Robbins ML, Smith PK: Antiviral activity of 3,5 diiodo-4-hydroxybenzenesulfonamide in chick embryo lung tissue culture. *Proc Soc Exp Biol Med* 116:425-7, Jun 64
- Smith PW**  
Smith PW, Mark JB, Carrington CB: Use of the cervical approach in the treatment of carcinosarcoma of the upper esophagus. Report of a case. *Dis Chest* 46:91-4, Jul 64
- Smith R**  
(Ayer JB), Denny-Brown D, Viets H, Adams R, Schwab R, Kubik C, Smith R: James Bourne Ayer, MD 1882-1963. *Arch Neurol (Chicago)* 11:449-51, Oct 64
- Smith RA**  
Estridge MN, Smith RA: Anterior cervical fusion; solution of a particular problem. *J Neurosurg* 20:441-4, May 63
- Smith RB 3d**  
Smith RB 3d, Vorhees AB, Davidson EA, Barker HG: Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. *Surg Forum* 15:98-9, 1964
- Smith RB Jr**  
Smith RB Jr: Safe use of pesticides in food production. *Arch Environ Health (Chicago)* 9:634-8, Nov 64
- Smith RM**  
Smith RM: Children, hospitals and parents. *Anesthesiology* 25:461-5, Jul-Aug 64
- Smith RM Jr**  
Smith RM Jr, Young JA, Manheim A: The SYM tourniquet. *Anesthesiology* 25:573-4, Jul-Aug 64
- Smith W**  
Jick H, Sweet RH, Smith W, Macgaffey K, Snyder JG, Moore EW: The effect of dietary sodium restriction



# ABRIDGED INDEX MEDICUS

- on the urine concentrating mechanism in cirrhosis. *Clin Sci* 26:397-403, Jun 64
- Smith WG**  
**Smith WG, Cullen KJ, Thorburn IO:** Electrocardiograms of marathon runners in 1962 Commonwealth games. *Brit Heart J* 26:469-76, Jul 64
- Smith WW**  
**Mengel CE, Kann HE, Smith WW, Horton BD:** Effects of in vivo hyperoxia on erythrocytes. I. Hemolysis in mice exposed to hyperbaric oxygenation. *Proc Soc Exp Biol Med* 116:259-61, Jun 64
- Smithus LK**  
**Smithus LK, Olson C:** Correlation of immunofluorescence and infectivity in the developing bovine cutaneous papilloma. *Cancer Res* 24:674-81, May 64
- Smoler J**  
**Skolnik EM, Lowy A, Smoler J:** Experiences with partial laryngopharyngectomy. *Ann Otol* 73:417-25, Jun 64
- Smolik ED**  
**Smolik ED, Nash FP:** Cerebral angiography. A brief outline of its history and experiences with conray, a new contrast medium. *Vasc Dis* 1:21-8, Jan 64
- Smuckler E**  
**Berci G, Stevenson JK, Nyhus LM, Harkins HN, Majewska A, Smuckler E:** The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. *Amer J Surg* 108:250-8, Aug 64
- Smuckler EA**  
**Smuckler EA, Iseri OA, Benditt EP:** Studies on carbon tetrachloride intoxication. II. Depressed amino acid incorporation into mitochondrial protein and cytochrome c. *Lab Invest* 13:531-8, Jun 64
- Smulyan H**  
**Smulyan H, Cuddy RP, Eich RH:** Hemodynamic effects of pressor agents in septic and myocardial infarction shock. *JAMA* 190:188-94, 19 Sep 64
- Smyth RD**  
**Smyth RD, Lambert R, Martin GJ:** Quercetin inhibition of specific histidine decarboxylase. *Proc Soc Exp Biol Med* 116:593-6, Jul 64
- Smythe AD**  
**Lowen W, Smythe AD:** Cystic disease of the renal pyramids (medullary sponge kidney). *Clin Radiol* 15:271-8, Jul 64
- Snell EE**  
**Guirard BM, Snell EE:** Effect of polyamine structure on growth stimulation and spermine and spermidine content of lactic acid bacteria. *J Bact* 88:72-80, Jul 64
- Snider M**  
**Kearsley RB, Snider M, Eaton A:** A practical, quantitative method for recognizing behavioral illness in boys 9 to 14 years of age. *J Pediatr* 65:256-66, Aug 64
- Snyder C**  
**(Ramazzini B), Snyder C:** The professor and the jakes cleanser. *Arch Ophthalmol* (Chicago) 72:441-3, Sep 64
- Snyder C**  
**(Helmholtz H von), Snyder C:** Helmholtz at Columbia University. *Arch Ophthalmol* (Chicago) 72:573-6, Oct 64
- Snyder F**  
**Snyder F, Lewis W:** Phospholipid patterns in livers accumulating fat. *Proc Soc Exp Biol Med* 116:459-62, Jun 64
- Snyder GB**  
**Snyder GB, Edgerton MT:** Masquerade graft technique for simultaneous reconstruction of upper and lower eyelids in patients with blastomycosis, amyloidosis or other chronic septic destructive lesions. *Plast Reconstr Surg* 34:163-8, Aug 64
- Snyder HE**  
**Brockman SK, Snyder HE, Collins HA:** Relationship of ventricular pressure, aortic pressure and flow, and their alteration by the Starr aortic valve. *Surg Forum* 15:255-7, 1964
- Snyder JG**  
**Jick H, Sweet RH, Smith W, Macgaffey K, Snyder JG, Moore EW:** The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. *Clin Sci* 26:397-403, Jun 64
- Sobel AM**  
**Sobel AM:** Obstructed endotracheal catheter. *Anesthesiology* 25:581, Jul-Aug 64
- Sobel J**  
**Sobel J, Seifter E:** Sweating in the treatment of chronic uraemia. *Lancet* 2:760-1, 3 Oct 64
- Sobolewski G**  
**Sobolewski G:** Semiautomatic determination of serum glucose and urea using a new three-channel pipetting machine. *Clin Chem* 10:563-7, Jun 64
- Socransky SS**  
**Socransky SS, Loesche WJ, Hubersak C, Macdonald JB:** Dependency of *Treponema microdentium* on other oral organisms for isobutyrate, polyamines, and a controlled oxidation-reduction potential. *J Bact* 88:200-9, Jul 64
- Soderholm B**  
**Seldin U, Soderholm B:** Electroencephalographic and circulatory responses to meglumide in normal subjects. *Electroenceph Clin Neurophysiol* 17:11-6, Jul 64
- Soergel KH**  
**Soergel KH, Zboralske FF, Amberg JR:** Presbyesophagus: esophageal motility in nonagenarians. *J Clin Invest* 43:1472-9, Jul 64
- Soergel KH**  
**Soergel KH, Friedell GH:** Nonspecific effects of liver extract-adjunct injection in guinea pigs. A morphologic and immunologic study. *J Lab Clin Med* 64:51-9, Jul 64
- Sohar E**  
**Heller H, Missmahl HP, Sohar E, Gafni J:** Amyloidosis: its differentiation into perireticulin and peri-collagen types. *J Path Bact* 88:15-34, Jul 64
- Soila P**  
**Helela T, Soila P:** Roentgen finding in gastro-intestinal bleeding after resection of the stomach. *Ann Chir Gynaec Fenn* 53:364-7, 1964
- Sokal JE**  
**Sokal JE, Sarcione EJ, Henderson AM:** Relative potency of glucagon and epinephrine as hepatic glycogenolytic agents: studies with the isolated perfused rat liver. *Endocrinology* 74:930-8, Jun 64
- Solal C**  
**Albouny R, Benichou C, Chouraki L, Solal C:** Dorsalgies bénignes dites essentielles, de l'adulte jeune. *Presse Med* 72:2515-7, 17 Oct 64 (Fr)
- Soloff L**  
**Spiegel EA, Wycis HT, Szekeley EG, Soloff L, Adams J, Gildenberg P, Zanes C:** Stimulation of Forel's field during stereotaxic operations in the human brain. *Electroenceph Clin Neurophysiol* 16:537-48, Jun 64
- Solomon GF**  
**Solomon GF, Moos RH, Stone GC, Fessel WJ:** Peripheral vasoconstriction induced by emotional stress in rats. *Angiology* 15:362-5, Aug 64
- Solomon M**  
**Kahana D, Telem C, Steinitz K, Solomon M:** Generalized glycogenosis. Report of a case with deficiency of alpha glucosidase. *J Pediatr* 65:243-51, Aug 64
- Solomon N**  
**Furman S, Escher JW, Schwedel JW, Solomon N, Rubinstein B:** Motion factors producing breaks in implanted cardiac pacemaker leads. *Surg Forum* 15:248-9, 1964
- Solomon P**  
**Mendelson JH, Wexler D, Kubzansky PE, Harrison R, Leiderman G, Solomon P:** Physicians' attitudes toward alcoholic patients. *Arch Gen Psychiat* (Chicago) 11:392-9, Oct 64
- Solomon RD**  
**Amromin GD, Gildenhorn HL, Solomon RD, Nadkarni BB:** The synergism of x-irradiation and cholesterol-fat feeding on the development of coronary artery lesions. *J Atheroscler Res* 4:325-34, Jul-Aug 64
- Soltan HC**  
**Sergovich FR, Valentine GH, Carr DH, Soltan HC:** Mongolism (Down's syndrome) with atypical clinical and cytogenetic features. *J Pediatr* 65:197-207, Aug 64
- Somer T**  
**Frick MH, Somer T:** Base-line effects on response of stroke volume to leg exercise in the supine position. *J Appl Physiol* 19:639-43, Jul 64
- Somers K**  
**Bruderman I, Somers K, Hamilton WK, Tooley WH, Butler J:** Effect of surface tension on circulation in the excised lungs of dogs. *J Appl Physiol* 19:707-12, Jul 64
- Somers LA**  
**Bernhard WF, Somers LA, Kriek H, Abe T, Cunanan O, McDonald S:** Pulmonary compliance and pulmonary vascular resistance under hyperbaric conditions. *Surg Forum* 15:197-8, 1964
- Somerville W**  
**Somerville W, Chambers RJ:** Systemic embolism in mitral stenosis: relation to the size of the left atrial appendix. *Brit Med J* 5418:1187-9, 7 Nov 64
- Somlyo AP**  
**Somlyo AV, Somlyo AP:** Vasomotor function of smooth muscle in the main pulmonary artery. *Amer J Physiol* 208:1196-200, Jun 64
- Somlyo AV**  
**Somlyo AV, Somlyo AP:** Vasomotor function of smooth muscle in the main pulmonary artery. *Amer J Physiol* 208:1196-200, Jun 64
- Sommerhalder M**  
**Kuenzle C, Sommerhalder M, Maier C, Rüttner JR:** Die vier Serumalbumin-Fraktionieren bei der cholestatischen Hepatose. *Deutsch Med Wschr* 89:1475-7, 31 Jul 64 (Ger)
- Sonenberg M**  
**Dellacha JM, Sonenberg M:** Purification of bovine growth hormone. *J Biol Chem* 239:1515-20, May 64
- Sonka J**  
**Sonka J, Kmentova V, Holecck V:** Antidiuretic effect of dehydroepiandrosterone. *Lancet* 2:649-50, 19 Sep 64
- Sonneborn DR**  
**Sonneborn DR, Sussman M, Levine L:** Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. *J Bact* 87:1321-9, Jun 64
- Sood GC**  
**Mohan H, Sood GC:** Conjugate deviation of the eyes after Cannabis indica intoxication. *Brit J Ophthalmol* 48:160-1, Mar 64
- Sood GC**  
**Malik SR, Mohan H, Sood GC:** Blascovitz operation in a case of Marcus Gunn phenomenon. *Brit J Ophthalmol* 48:173-5, Mar 64
- Sood GC**  
**Agarwal LP, Mohan M, Malik SR, Sood GC:** Intralaminar heterografts of frog cornea into rabbit cornea. *Brit J Ophthalmol* 47:14-30, Jan 63
- Soren A**  
**Soren A:** Hip salvage by pelvic support osteotomy. *Arch Surg* (Chicago) 89:656-62, Oct 64
- Sorkin E**  
**Rhodes JM, Sorkin E:** In vitro studies on the fate of antigen. 3. The in vitro fate of I-131-HSA in the presence of cells and cell extracts from normal, immune, and tolerant rabbits. *Int Arch Allerg* 24:342-55, 1964
- Sorsoli WA**  
**Sorsoli WA, Spence KD, Parks LW:** Amino acid accumulation in ethionine-resistant *Saccharomyces cerevisiae*. *J Bact* 88:20-4, Jul 64
- Soubiran A**  
**(Vesalius A), Soubiran A:** André Vésale fondateur de l'anatomie moderne (1514-1564). *Presse Med* 72:2357-9, 26 Sep 64 (Fr)
- Soulié P**  
**Soulié P, Dubost C, Acar J, Degeorges M, Foucault JP:** Les insuffisances aortiques à symptomatologie angineuse. Leur traitement chirurgical. (A propos de cinq observations) *Presse Med* 72:2307-12, 26 Sep 64 (Fr)
- South MA**  
**South MA, Short DH, Knox JM:** Failure of erythromycin estolate therapy in in utero syphilis. *JAMA* 190:70-1, 5 Oct 64
- Southam CM**  
**Southam CM, Shipkey FH, Babcock VI, Bailey R, Erlandson RA:** Virus biographies. I. Growth of West Nile and Guarua viruses in tissue culture. *J Bact* 88:187-99, Jul 64
- Southon A**  
**Rennie ID, Keen H, Southon A:** A rapid enzyme-strip method for estimating blood-sugar. *Lancet* 2:884-6, 24 Oct 64
- Southwick WO**  
**Albright JA, Southwick WO, Bove JR:** Hip disarticulation in a patient with hemophilia. Management with fibrinogen rich in factor 8. *JAMA* 190:548-50, 9 Nov 64
- Southwood WF**  
**Kay JM, Southwood WF:** Paget's disease of the vulva associated with an unusual bladder tumour. *Brit J Cancer* 18:233-7, Jun 64
- Southworth JG**  
**Mannick JA, Southworth JG:** Subcellular transplantation antigen derived from dog spleen cells cultivated in vitro. *Proc Soc Exp Biol Med* 116:445-8, Jun 64
- Sova J**  
**Hradcová L, Sova J:** Angiotensin skin test and its relation to hypertension in man. *Helv Paediat Acta* 19:87-98, Jun 64
- Sowa S**  
**Sowa S, Sowa J:** Attempted treatment of trachoma with idoxuridine. *Brit Med J* 5415:989, 17 Oct 64
- Sowa S**  
**Sowa S, Sowa J:** Attempted treatment of trachoma with idoxuridine. *Brit Med J* 5415:989, 17 Oct 64
- Soyka LF**  
**Soyka LF, Ziskind A, Crawford JD:** Treatment of short stature in children and adolescents with human pituitary growth hormone (Raben). *New Eng J Med* 271:754-64, 8 Oct 64
- Spach MS**  
**Canent RV Jr, Spach MS, Young WG Jr:** Cardiopulmonary dynamics in patients with anastomosis of the superior vena cava to the right pulmonary artery. *Circulation* 30:47-54, Jul 64
- Spada-Sermonti I**  
**Carere A, Spada-Sermonti I:** Nutritional mutations and transduction by ultraviolet-inactivated phage in *Staphylococcus aureus*. *J Bact* 88:226-32, Jul 64
- Spaet TH**  
**Spaet TH, Zucker MB:** Mechanism of platelet plug formation and role of adenosine diphosphate. *Amer J Physiol* 206:1267-74, Jun 64
- Spar IL**  
**Spar IL, Goodland RL, Desiderio MA:** Immunological removal of circulating I-131-labeled rabbit antibody to rat fibrinogen in normal and tumor-bearing rats. *J Nucl Med* 5:428-43, Jun 64
- Spar IL**  
**Cramer LM, Hinshaw JR, Spar IL:** Caproic acid analogues to prolong survival of skin homografts. *Surg Forum* 15:479-80, 1964
- Sparberg M**  
**Sparberg M, Kirsner JB:** Gastric secretory activity with reference to HCl. Clinical interpretations. *Arch Intern Med* (Chicago) 114:508-20, Oct 64
- Sparkman TC**  
**Sparkman TC, Moreland FB:** Serum manganese in myocardial infarction. *Proc Soc Exp Biol Med* 116:778-81, Jul 64
- Speakman JS**  
**Speakman JS, Leeson TS:** Pathological findings in a case of primary congenital glaucoma compared with normal infant eyes. *Brit J Ophthalmol* 48:196-204, Apr 64
- Spear FG**  
**Devine R, Newton KJ, Spear FG:** Pain following E.C.T. modified by muscle relaxants. *Brit Med J* 5416:1046-8, 24 Oct 64
- Spector DS**  
**Fessel WJ, Feichtmeir TV, Spector DS:** What is the albumin level? A comparison of methods for albumin determination. *Arch Intern Med* (Chicago) 114:547-50, Oct 64
- Spector RG**  
**Seller MJ, Spector RG:** The effects of anoxia on the newborn and adult rat lung. *J Path Bact* 88:309-11, Jul 64
- Spector WG**  
**Willoughby DA, Spector WG:** Adrenaline precursors in the inflammatory reaction. *J Path Bact* 88:159-66, Jul 64
- Spence KD**  
**Sorsoli WA, Spence KD, Parks LW:** Amino acid accumulation in ethionine-resistant *Saccharomyces cerevisiae*. *J Bact* 88:20-4, Jul 64
- Spence L**  
**Jonkers AH, Spence L, Coakwell CA 3d, Thornton JJ 3d:** Laboratory studies with wild rodents and viruses native to Trinidad. I. Studies on the behavior of coxal virus. *Amer J Trop Med* 13:613-9, Jul 64
- Spence L**  
**Jonkers AH, Downs WG, Aitken TH, Spence L:** Arthropod-borne encephalitis viruses in northeastern South America. I. A serological survey of northeastern Surinam. *Trop Geogr Med* 16:135-45, Jun 64
- Spencer DM**  
**Spencer DM, Peltier LF:** Deformities produced by operations on the rabbit fetus. *Surg Forum* 15:441-2, 1964
- Spencer FC**  
**Rossi NP, Yu SC, Koepke J, Spencer FC:** Pulmonary injury from prolonged oxygenation with venous blood. *Surg Forum* 15:277-9, 1964
- Spencer FC**  
**Yu SC, Rossi NP, Spencer FC:** Changes in intracardiac pressures with overtransfusion of normal dogs. *Surg Forum* 15:283-5, 1964



# ABRIDGED INDEX MEDICUS

- Spencer RP**  
**Spencer RP:** Determination of organ volumes by scintillation scanning. *J Nucl Med* 5:444-52, Jun 64
- Sperling O**  
**Barse US, Sperling O, Frank M, De Vries A:** Renal ammonium excretion and urinary pH in idiopathic uric acid lithiasis. *J Urol* 92:1-5, Jul 64
- Spicer SS**  
**Horn RG, Spicer SS:** Sulfated mucopolysaccharide and basic protein in certain granules of circulating heterophils of rabbits during endotoxin-induced leukocytosis. *Amer J Path* 44:905-19, Jun 64
- Spicer WS Jr**  
**Spicer WS Jr:** Relation of air pollution to disease. *Arch Environ Health (Chicago)* 9:600-5, Nov 64
- Spiegel EA**  
**Spiegel EA, Wycis HT, Ssekely EG, Soloff L, Adams J, Gildenberg P, Zanes C:** Stimulation of Forel's field during stereotaxic operations in the human brain. *Electroenceph Clin Neurophysiol* 16:537-48, Jun 64
- Spiegel EA**  
**Spiegel EA, Wycis HT, Ssekely EG, Adams DJ, Flanagan M, Baird HW 3d:** Campotomy in various extrapyramidal disorders. *J Neurosurg* 20:871-84, Oct 63
- Spinelli AN**  
**Spinelli AN, Keshin JG, Davis JE:** A new medication for relief of urinary symptoms: a preliminary report. *J Amer Geriatr Soc* 12:771-5, Aug 64
- Spink WW**  
**Spink WW:** The training of the physician. Continuing education—Whose responsibility? *New Eng J Med* 271:827-8, 15 Oct 64
- Spiro D**  
**Mackey EA, Spiro D, Wiener J:** A study of chromatolysis in dorsal root ganglia at the cellular level. *J Neuropath Exp Neurol* 23:508-28, Jul 64
- Spiro HM**  
**Spiro HM, Pearce AG:** A histochemical analysis of the effect of irradiation on murine duodenal mucosa. *J Path Bact* 88:55-60, Jul 64
- Spitzer R**  
**Lillen OM, Spitzer R:** The counter current system and osmotic diuresis. *J Urol* 92:9-16, Jul 64
- Spooner DF**  
**Hale LJ, Morton EV, Spooner DF, Woolfe G:** New penicilline. *Brit Med J* 5414:940, 10 Oct 64
- Spoont SS**  
**Shelley WB, Preucel RW, Spoont SS:** Autoimmune progesterone dermatitis. Cure by oophorectomy. *JAMA* 190:35-8, 5 Oct 64
- Spreng MA**  
**Spreng MA:** Über Möglichkeiten der Sensibilisierung durch Fremdstoffe in der Mundhöhle. *Int Arch Allerg* 24:Suppl:15-20, 1964 (Ger)
- Spriggs EA**  
**Brace AA, Spriggs EA:** Bed rest and institutional treatment in pulmonary tuberculosis. *Amer Rev Resp Dis* 90:183-93, Aug 64
- Spruyt DJ**  
**Buck AA, Spruyt DJ:** Seroreactivity in the venereal disease research laboratory slide test and the fluorescent treponemal antibody test. A study of patterns in selected disease and control groups in Ethiopia. *Amer J Hyg* 80:91-102, Jul 64
- Spuler H**  
**Gerlach J, Jensen HP, Spuler H, Viehweger G:** Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery. *J Neurosurg* 20:885-7, Oct 63
- Spruling CL**  
**Spruling CL, Sacks MS, Jiji RM:** Juvenile pernicious anemia. *New Eng J Med* 271:995-1003, 5 Nov 64
- Squire JR**  
**Squire JR:** Immunoglobulins. Deficiencies of immunoglobulins. *Proc Roy Soc Med* 57:749-52, Aug 64
- Srere PA**  
**Bhaduri AM, Srere PA:** Mitochondrial stimulation of fatty acid biosynthesis. *J Biol Chem* 239:1357-63, May 64
- Srivastava KN**  
**Jain BS, Srivastava KN:** Orbital varicocele. *Brit J Ophthalmol* 48:232-3, Apr 64
- Srivastava SP**  
**Srivastava SP, Nema HV:** Optic neuritis in measles. *Brit J Ophthalmol* 47:180-1, Mar 63
- Srivastava U**  
**Sarkar NK, Srivastava U:** Biochemical changes in progressive muscular dystrophy. II. Phosphorus metabolism in normal, nutritional and hereditary dystrophic muscles, livers and brains of animals. *J Nutr* 83:193-201, Jul 64
- Srncic J**  
**Knobloch F, Poštoika M, Srncic J:** Muscular experience as interpersonal process: a contribution to the semantics of muscle. *Psychiatry* 27:259-65, Aug 64
- Staab EV**  
**Condie RM, Staab EV, Good RA:** Biologic relationship of endotoxin and other toxic proteins. IV. Effect of heparin on endotoxin-induced hypersusceptibility to snake venoms. *Proc Soc Exp Biol Med* 116:696-701, Jul 64
- Stables D**  
**Abrahams C, Wheatley A, Rubenstein AH, Stables D:** Hepatocellular lipofuscin after excessive ingestion of analgesics. *Lancet* 2:621-2, 19 Sep 64
- Stables DP**  
**Stables DP, Prowse CM, Elliott GA:** Prenylamine ("segoitin") in prophylaxis of angina pectoris attacks. *S Afr Med J* 38:615-7, 15 Aug 64
- Stachow CS**  
**Sanwal BD, Zink MW, Stachow CS:** Nicotinamide adenine dinucleotide-specific isocitric dehydrogenase. A possible regulatory protein. *J Biol Chem* 239:1597-603, May 64
- Stacy RW**  
**Barth DS, Stacy RW:** Alveolar carbon dioxide equilibria in breath-holding experiments. *J Appl Physiol* 19:755-9, Jul 64
- Staemmler HJ**  
**Staemmler HJ:** Die Ovarialinsuffizienz. *Deutsch Med Wschr* 89:1925-32, 9 Oct 64 (Ger)
- Stahl WM**  
**Stahl WM:** Renal hemodynamics: effect of gravity on sodium and water excretion. *Surg Forum* 15:13-4, 1964
- Stahl WM**  
**DeWitt RJ, Stahl WM:** Lymphatic flora in third degree burns. *Surg Forum* 15:41-3, 1964
- Stahlmann M**  
**Stahlmann M, LeQuire VS, Young WC, Merrill RE, Birmingham RT, Payne GA, Gray J:** Pathophysiology of respiratory distress in newborn lambs. Circulatory, biochemical, and pathological considerations. *Amer J Dis Child* 108:375-93, Oct 64
- Stahmann MA**  
**Akeson WR, Stahmann MA:** A pepsin pancreatin digest index of protein quality evaluation. *J Nutr* 83:257-61, Jul 64
- Stalheim OH**  
**Stalheim OH, Wilson JB:** Cultivation of leptospirae. II. Growth and lysis in synthetic medium. *J Bact* 88:55-9, Jul 64
- Stalheim OH**  
**Stalheim OH, Wilson JB:** Cultivation of leptospirae. I. Nutrition of *Leptospira canicola*. *J Bact* 88:48-54, Jul 64
- Stalheim OH**  
**Stalheim OH, Wilson JB:** Cultivation of leptospirae. II. Growth and lysis in synthetic medium. *J Bact* 88:55-9, Jul 64
- Stallabrass P**  
**Stallabrass P:** Umbilical cord. *Brit Med J* 5416:1070-1, 24 Oct 64
- Stallard HB**  
**Stallard HB:** Partial cyclectomy. Some further modifications in technique. *Brit J Ophthalmol* 48:1-8, Jan 64
- Stamatelopoulos S**  
**Mouloupoulos S, Kehayogiou K, Stamatelopoulos S, Sideris D:** Ventricular fibrillation during interim pacing of the heart by a bipolar endocardial electrode. Report of a case. *New Eng J Med* 271:895-7, 22 Oct 64
- Stambaugh R**  
**Stambaugh R, Davidson DT Jr:** Evaluation of the amino acid excretion pattern of mental retardates as a screening technique for inborn errors of metabolism. *J Pediatr* 65:301-3, Aug 64
- Stamp WG**  
**Stamp WG, Whitesides TE, Field MH, Scheer GE:** Treatment of vitamin-D resistant rickets. A long-term evaluation of its effectiveness. *J Bone Joint Surg [Amer]* 46:965-77, Jul 64
- Stamp WG**  
**Kuhlman RE, Stamp WG:** Biochemical biopsy evaluation of the epiphyseal mechanism in a patient with vitamin D-resistant rickets. *J Lab Clin Med* 64:14-20, Jul 64
- Standish M**  
**Buchwald JS, Standish M, Eldred E, Halas ES:** Contribution of muscle spindle circuits to learning as suggested by training under flaxedil. *Electroenceph Clin Neurophysiol* 18:582-94, Jun 64
- Stanková L**  
**Pařízková J, Stanková L:** Influence of physical activity on a treadmill on the metabolism of adipose tissue in rats. *Brit J Nutr* 18:325-32, 1964
- Stanley B**  
**Stanley B, Pal NR:** Fatal hyperpyrexia with phenelzine and imipramine. *Brit Med J* 5415:1011, 17 Oct 64
- Stanton MB**  
**Stanton MB:** Leprosy presenting with nasal obstruction. *J Laryng* 78:702-6, Jul 64
- Stark GR**  
**Stark GR:** On the reversible reaction of cyanate with sulfhydryl groups and the determination of NH<sub>2</sub>-terminal cysteine and cystine in proteins. *J Biol Chem* 239:1411-4, May 64
- Stark H**  
**Stark H:** Renal vein thrombosis in infancy. Recovery without nephrectomy. *Amer J Dis Child* 108:430-5, Oct 64
- Starkiewicz W**  
**Starkiewicz W, Strzyzewski K:** Stimulation of normal binocular vision while treating strabismus by the localization method. *Brit J Ophthalmol* 47:728-35, Dec 63
- Starr A**  
**Starr A, Campbell TJ, Wood J, McCord C, Herr R, Menashe V:** Transposition of the great vessels: recent experience with the Blalock-Hanlon procedure. *Amer J Surg* 108:198-203, Aug 64
- Starzl TE**  
**Sexton AW, Marchioro TL, Waddell WR, Starzl TE:** Liver degeneration after portacaval transposition. *Surg Forum* 15:120-2, 1964
- State D**  
**Del Guercio LR, Coomaraswamy RP, Feins NR, State D:** Bedside hemodynamic diagnosis of acute pulmonary embolism. *Surg Forum* 15:192-4, 1964
- State D**  
**Amirana MT, Rohman M, Oka M, Kikkawa Y, Gueft B, State D:** Functional and pathologic changes in the reimplanted lung. *Surg Forum* 15:177-9, 1964
- Staub H**  
**Hartmann G, Staub H:** Deficient absorption of buccally administered heparin. *Vasc Dis* 1:175-9, Jul 64
- Stauffer H**  
**Sargent T, Linfoot JA, Stauffer H, Lawrence JH:** Use of a whole body counter in turnover studies with Ca-47. *J Nucl Med* 5:407-16, Jun 64
- Staunton HP**  
**MacKenzie GJ, Flenley DC, Taylor SH, McDonald AH, Staunton HP, Donald KW:** Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. *Lancet* 2:825-32, 17 Oct 64
- Stearns G**  
**Tapia J, Stearns G, Ponseti IV:** Vitamin-D resistant rickets. A long-term clinical study of 11 patients. *J Bone Joint Surg [Amer]* 46:935-58, Jul 64
- Stearns G**  
**Stearns G:** A guide to the adequacy of therapy in resistant rickets due to familial or essential hypophosphatemia. *J Bone Joint Surg [Amer]* 46:959-64, Jul 64
- Steen M**  
**Hagberg B, Hirsch C, Steen M:** Resection of the obturator nerve in the treatment of adductor spasticity in cerebral palsy. *Acta Orthop Scand* 34:258-70, 1964
- Steenbrughe A van**  
**Sigwald J, Bonduelle M, Sallou C, Raverdy P, Plot C, Steenbrughe A van:** Un nouvel anti-épileptique: le carbamylidibenzazepine ou 5-carbamoyl-5-H-dibenzo (b, f) azépine (G. 32883). *Presse Med* 72:2323-4, 26 Sep 64 (Fr)
- Stegner HE**  
**Bettendorf G, Breckwoldt M, Knörr K, Stegner HE:** Gravidität nach Hypophysektomie und Behandlung mit Hypophysärem Humanagonotropin. *Deutsch Med Wschr* 88:1952-7, 9 Oct 64 (Ger)
- Stein AA**  
**Stein AA, Opalka E, Schlip AO:** Fatty-acid analysis of meningiomas by gas-phase chromatography. *J Neurosurg* 20:435-8, May 63
- Stein AA**  
**Rosenblum I, Stein AA:** A comparison of the responses to l-sparteine and oxytocin in isolated human uterine muscles. *J Pharmacol Exp Ther* 144:138-41, Apr 64
- Stein BM**  
**Stein BM, Leeds NE, Taveras JM, Pool JL:** Meningiomas of the foramen magnum. *J Neurosurg* 20:740-51, Sep 63
- Stein HL**  
**Stein HL:** Roentgen diagnosis of congenital absence of pectoralis muscles. *Radiology* 83:83-8, Jul 64
- Stein M**  
**Thomas D, Stein M, Tanabe G, Rege V, Wessler S:** Mechanism of bronchoconstriction produced by thromboemboli in dogs. *Amer J Physiol* 206:1207-12, Jun 64
- Stein WJ**  
**Stein WJ, Hayes WJ Jr:** Health survey of pest control operators. *Indust Med Surg* 33:549-55, Aug 64
- Steinberg I**  
**Steinberg I, Miscall L, Goldberg HP:** Congenital absence of left pulmonary artery with patent ductus arteriosus; treatment by closure of ductus and left pneumonectomy. *JAMA* 190:394-6, 28 Oct 64
- Steiner DF**  
**Steiner DF, King J:** Induced synthesis of hepatic uridine diphosphate glucose-glycogen glucosyltransferase after administration of insulin to alloxan-diabetic rats. *J Biol Chem* 239:1292-8, May 64
- Steiner RE**  
**Steiner RE:** Radiology of hypertrophic obstructive cardiomyopathy. *Proc Roy Soc Med* 57:444-5, Jun 64
- Steiner WG**  
**Pcheidt GR, Steiner WG, Himwich HE:** An electroencephalographic and chemical re-evaluation of the central action of reserpine in the rabbit. *J Pharmacol Exp Ther* 144:37-44, Apr 64
- Steiness I**  
**Lunding M, Steiness I, Thaysen JH:** Acute renal failure due to tubular necrosis, immediate prognosis and complications. *Acta Med Scand* 176:103-19, Jul 64
- Steinitz K**  
**Kahana D, Telem C, Steinitz K, Solomon M:** Generalized glycogenosis. Report of a case with deficiency of alpha glucosidase. *J Pediatr* 65:243-51, Aug 64
- Stellar S**  
**Cooper IS, Stellar S:** Cryogenic freezing of brain tumors for excision or destruction in situ. *J Neurosurg* 20:921-30, Nov 63
- Stephens BJ**  
**Jacobs J, Livsey TJ, Stephens BJ:** Methicillin spray and staphylococcal carriage in a neonatal unit. *J Obstet Gynaec Brit Comm* 71:543-55, Aug 64
- Stephens RR**  
**Bollinger RE, Stephens RR:** Comparison of disappearance from plasma of insulin I-131 and of insulin-like activity. *Proc Soc Exp Biol Med* 116:812-3, Jul 64
- Stephenson SE Jr**  
**Stephenson SE Jr, Younger RK, Scott HW Jr:** Experimental primate atherogenesis. *Surg Forum* 15:287-8, 1964
- Sterky G**  
**Larsson Y, Persson B, Sterky G, Thorén C:** Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. *J Appl Physiol* 19:629-35, Jul 64
- Sterling K**  
**Sterling K:** Thyroxine in blood. *Mayo Clin Proc* 39:586-608, Aug 64
- Sterling TD**  
**Sterling TD, Perry H, Katz L:** Automation of radiation treatment planning. IV. Derivation of a mathematical expression for the per cent depth dose surface of cobalt 60 beams and visualization of multiple field dose distributions. *Brit J Radiol* 37:544-50, Jul 64
- Stern A**  
**Billow BW, Thompson EA, Stern A, Florio A:** A clinical study of erythromycin: a comparative evaluation of several salts. *Curr Ther Res* 6:381-4, May 64
- Stern J**  
**Ward AA Jr, Stern J:** Thalamic inhibition of the myotatic reflex in man. *J Neurosurg* 20:1033-9, Dec 63
- Stern J**  
**Stern J, Ward AA Jr:** The relationship of the alpha and gamma motor systems to the efficacy of the surgical therapy of parkinsonism. *J Neurosurg* 20:185-7, Mar 63
- Stern K**  
**Stern K:** Phagocytosis in vivo of heterologous red cells in mice with transplanted tumors. *Cancer Res* 24:1063-9, Jul 64



# ABRIDGED INDEX MEDICUS

- Stern S  
Stern S, Ferguson RE, Rapaport E: Reflex pulmonary vasoconstriction due to stimulation of the aortic body by nicotine. *Amer J Physiol* 206:1189-95, Jun 64
- Sternberg TH  
Puhvel SM, Barfatani M, Warnick M, Sternberg TH: Study of antibody levels to *Corynebacterium* acnes. In the serum of patients with acne vulgaris, using bacterial agglutination, agar gel immunodiffusion, and immunofluorescence techniques. *Arch Derm (Chicago)* 90:421-7, Oct 64
- Sternberg-Raab A  
Sternberg-Raab A: Anderson-Kestenbaum operation for asymmetrical gaze nystagmus. *Brit J Ophthalmol* 47:339-45, Jun 63
- Sterne M  
Sterne M, Warrack GH: The types of *Clostridium perfringens*. *J Path Bact* 88:279-83, Jul 64
- Stern JH  
Stern JH: The medical profession looks at environmental health. *Arch Environ Health (Chicago)* 9:592-5, Nov 64
- Steven RJ  
Tovell RM, Steven RJ: Problems of anesthesia for orthopedic procedures. *J Int Coll Surg* 42:429-37, Oct 64
- Stevens GH  
Stevens GH, Kitagawa S, Longmire WP Jr: Autotransplantation of lymphatic vessels in the dog. *Surg Forum* 15:239-41, 1964
- Stevens W  
Wann J, Stevens W: Respiratory gas studies with ether convulsion. *Anesthesiology* 25:580-1, Jul-Aug 64
- Stevenson CS  
Stevenson CS: Myomectomy for improvement of fertility. *Fertil Steril* 15:367-84, Jul-Aug 64
- Stevenson JK  
Berci G, Stevenson JK, Nyhus LM, Harkins HN, Majewska A, Smuckler E: The behavior of foreign bodies (imitated "gallstones") in the extrahepatic biliary system. *Amer J Surg* 108:250-6, Aug 64
- Stevenson JK  
Semb LS, Rheault MJ, Stevenson JK, Fletcher TL, Harkins HN, Nyhus LM: A gastric inhibitory substance from dog antral juice. *Surg Forum* 15:319-21, 1964
- Stevenson JK  
Schaller RT Jr, Stevenson JK, Karkins HN: Development of carcinoma of the thyroid in mice. *Surg Forum* 15:354-5, 1964
- Steward JK  
Steward JK: Pathology of tumours in children. *J Clin Path* 17:407-10, Jul 64
- Steward JK  
Marsden HB, Steward JK: Ewing's tumours and neuroblastomas. *J Clin Path* 17:411-7, Jul 64
- Stewart AG  
Stewart AG, Taylor WC: Amniotic fluid analysis as an aid to the ante-partum diagnosis of haemolytic disease. *J Obstet Gynaec Brit Comm* 71:604-8, Aug 64
- Stewart DH Jr  
Stewart DH Jr, King RB: Effect of conditioning stimuli upon evoked potentials in the trigeminal complex in cat. *Surg Forum* 15:402-4, 1964
- Stewart RC  
Force EE, Stewart RC: Effect of 5-iodo-2'-deoxyuridine on multiplication of Rous sarcoma virus in vitro. *Proc Soc Exp Biol Med* 116:803-6, Jul 64
- Stewart WA  
Stewart WA, Lourie H: An experimental evaluation of the effects of subarachnoid injection of phenol-pantopaque in cats: a histological study. *J Neurosurg* 20:64-72, Jan 63
- Steytler JG  
Rademan J, Steytler JG, Wright N: First isolations of leptospirae in cape town. *S Afr Med J* 38:694-6, 29 Aug 64
- Stille WT  
Stille WT, Hantover MJ: Dosages of various trivalent and monovalent adenovirus vaccines in the prophylaxis of acute respiratory illness. *Amer J Hyg* 80:121-34, Jul 64
- Stim TB  
Woodhouse AF, Metzgar DP, Stim TB, Tytell AA, Hilleman MR: New metabolizable immunologic adjuvant for human use. I. Development and animal immune response. *Proc Soc Exp Biol Med* 116:516-23, Jun 64
- Stocker FW  
Stocker FW: Combined cataract extraction and scleral cauterization. *Arch Ophthalmol (Chicago)* 72:503-4, Oct 64
- Stohlman F Jr  
Epstein LB, Stohlman F Jr: RNA synthesis in cultures of normal human peripheral blood. *Blood* 24:89-75, Jul 64
- Stokes W  
Stokes W: A new effective diuretic--Lasix. *Brit Med J* 54:14:910-4, 10 Oct 64
- Stoll BA  
Stoll BA: Oral contraceptives and breast cancer. *Brit Med J* 54:13:875, 3 Oct 64
- Stoll NR  
Jackson GJ, Stoll NR: Axenic culture studies of *Entamoeba* species. *Amer J Trop Med* 13:520-4, Jul 64
- Stollerman GH  
Johnson EE, Stollerman GH, Grossman BJ: Rheumatic recurrences in patients not receiving continuous prophylaxis. *JAMA* 190:407-13, 2 Nov 64
- Stone FL  
Stone FL: Financial support for research facilities and resources. *Lab Invest* 13:730-4, Jun 64
- Stone GC  
Solomon GF, Moos RH, Stone GC, Fessel WJ: Peripheral vasoconstriction induced by emotional stress in rats. *Angiology* 15:362-5, Aug 64
- Stone HH  
Stone HH, Martin JD Jr, Kolb L: The mechanism and treatment of verdoglobulinuria in *Pseudomonas* sepsis. *Surg Forum* 15:48-9, 1964
- Stone OJ  
Stone OJ, Mullins JF, Head ES: Chronic paronychia-occupational material. *Arch Environ Health (Chicago)* 9:585-8, Nov 64
- Stoner RE  
Dasler W, Milliser RV, Stoner RE: Accumulation of iron in subcutaneous sponge implants in normal and lathyrotic rats. *Metabolism* 13:579-82, Jun 64
- Stoops WL  
King RB, Stoops WL: Cervical myelopathy with fasciculations in the lower extremities. *J Neurosurg* 20:948-52, Nov 63
- Storvick CA  
Woodring MJ, Fisher DH, Storvick CA: A microprocedure for the determination of 4-pyridoxic acid in urine. *Clin Chem* 10:479-89, Jun 64
- Storz H  
Margherita SS, Hungate RE, Storz H: Variation in rumen *Butyrivibrio* strains. *J Bact* 87:1304-8, Jun 64
- Stott FH  
Richardson DW, Honour AJ, Fenton GW, Stott FH, Pickering GW: Variation in arterial pressure throughout the day and night. *Clin Sci* 26:445-60, Jun 64
- Stowe DE  
Boyett JD, Stowe DE, Becker LH, Britz WE Jr: Rapid method for determination of cardiac output by indicator dilution techniques. *J Lab Clin Med* 64:180-7, Jul 64
- Stowell RE  
Stowell RE: Sources of support of research and training in pathology. *Lab Invest* 13:714-6, Jun 64
- Stowell RE  
Stowell RE: Analysis of research grants in pathology. *Lab Invest* 13:701-13, Jun 64
- Straffon RA  
Kolff WJ, Nakamoto S, Pontasse EF, Straffon RA, Figueroa JE: Effect of bilateral nephrectomy and kidney transplantation on hypertension in man. *Circulation* 30:Suppl 2:23-35, Aug 64
- Stranack F  
Darmady EM, Offer JM, Stranack F: Study of renal vessels by microdissection in human transplantation. *Brit Med J* 54:15:976-8, 17 Oct 64
- (Strange H)  
(Strange H), Morrison C: The Hampstead General: beginning and ending. *Brit Med J* 54:17:1126-7, 31 Oct 64
- Strauss H  
Kessler E, Allen RL Jr, Kirman D, Strauss H: Effect of aldosterone and cortisol on sodium and water content of the rat kidney. *Amer J Physiol* 207:109-12, Jul 64
- Strauss HD  
Small MJ, Miller WN, Leiner GC, Strauss HD, Abramowitz S: Radiopulmonography: a method for simultaneous estimation of regional lung ventilation by transmission of x-rays. *Amer Rev Resp Dis* 90:223-30, Aug 64
- Strauss L  
Seki M, Strauss L: Absence of one umbilical artery. Analysis of 60 cases with emphasis on associated developmental aberrations. *Arch Path (Chicago)* 78:446-53, Oct 64
- Strebel R  
Payan H, Levine S, Strebel R: Effect of anoxic-ischemic procedure on experimental epilepsy in the rat. *Proc Soc Exp Biol Med* 116:454-6, Jun 64
- Streep RB  
Streep RB: Thromboembolic complications of rheumatic fever in childhood. *Dis Chest* 46:61-5, Jul 64
- Streicher E  
Streicher E, Ferris PJ, Prokop JD, Klatzo I: [Brain volume and thiocyanate space in local cold injury. *Arch Neurol (Chicago)* 11:444-8, Oct 64
- Strenger L  
Messer HD, Strenger L, McVeety HJ: Use of plastic adhesive for reinforcement of a ruptured intracranial aneurysm. *J Neurosurg* 20:360-2, Apr 63
- Strenger L  
Strenger L: Complications of ventriculovenous shunts. *J Neurosurg* 20:219-24, Mar 63
- Strich SJ  
Duchen LW, Strich SJ, Falconer DS: Clinical and pathological studies of an hereditary neuropathy in mice (dystonia musculorum). *Brain* 87:367-78, Jun 64
- Strickland MK  
Burke EC, Winkelmann RK, Strickland MK: Disseminated hemangiomatosis. The newborn with central nervous system involvement. *Amer J Dis Child* 108:418-24, Oct 64
- Stroder J  
Stroder J, Blennemann H: Metabolic alkalosis in pyloric stenosis. *Lancet* 2:914-5, 24 Oct 64
- Stroder J  
Simon C, Stroder J: Das Durand-Zunin-Syndrom. Mitteilung einer einschlägigen Beobachtung. *Helv Paediat Acta* 19:78-86, Jun 64 (Ger)
- Strohmeier GW  
Strohmeier GW, Miller SA, Scarlata RW, Moore EW, Greenberg MS, Chalmers TC: Effects of hypoxia on iron absorption and mobilization in the rat. *Amer J Physiol* 207:55-61, Jul 64
- Stroud AN  
Haley HB, Stroud AN: Constancy of chromosome karyotype in human tumors H.Ad. 1 and H.Ep. 3 maintained in laboratory animals. *Cancer Res* 24:639-47, May 64
- Strukov A  
Strukov A: General morphology of collagen diseases. *Arch Path (Chicago)* 78:409-20, Oct 64
- Strully KJ  
Yahr WZ, Strully KJ, Hurwitz ES: Non-occlusive small arterial anastomosis with a neodymium laser. *Surg Forum* 15:224-6, 1964
- Strydom NB  
Wyndham CH, Strydom NB, Munro A, MacPherson RK, Metz B, Schaff G, Schieber J: Heat reactions of Caucasians in temperate, in hot, dry, and in hot humid climates. *J Appl Physiol* 19:607-12, Jul 64
- Strydom NB  
Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rabden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Strydom NB  
Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rabden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Strzyzewski K  
Starkiewicz W, Strzyzewski K: Stimulation of normal binocular vision while treating strabismus by the localization method. *Brit J Ophthalmol* 47:728-35, Dec 63
- Stuart CK  
DeBrisay AN, Stuart CK: Restoration of communication in the elderly, with special reference to hemiplegic patients: interim report on program. *J Amer Geriatr Soc* 12:687-93, Jul 64
- Stuart-Harris CH  
Stuart-Harris CH: Poliovirus vaccines and the control of poliomyelitis. *Proc Roy Soc Med* 57:459-62, Jun 64
- Sturtevant JM  
Morton RK, Sturtevant JM: Kinetic investigations of yeast L-lactate dehydrogenase (cytochrome b2). I. The dehydrogenation of L-lactate in the presence and absence of ferricyanide as electron acceptor. *J Biol Chem* 239:1614-24, May 64
- Su C  
Su C, Bevan JA, Ursillo RC: Electrical quiescence of pulmonary artery smooth muscle during sympathomimetic stimulation. *Circ Res* 15:26-7, Jul 64
- Subrahmanyam MV  
Rao BD, Subrahmanyam MV, Sathe NM: Cerebral tuberculoma simulating cystic glioma: a case report. *J Neurosurg* 20:172-3, Feb 63
- Sugai T  
Higashi N, Sugai T: Granuloma faciale in a Japanese man. *Arch Derm (Chicago)* 90:432-4, Oct 64
- Sugar O  
Kagen A, Tsuchiya G, Patterson V, Sugar O: Test for patency of ventriculovascular shunt for hydrocephalus with radioactive iodinated serum albumin. *J Neurosurg* 20:1025-8, Dec 63
- Sukhnanand B  
Wilson RF, Sukhnanand B, Thal AP: Combined use of norepinephrine and dibenzylamine in clinical shock. *Surg Forum* 15:30-1, 1964
- Sulkin SE  
Allen E, Sims RA, Sulkin SE: Studies with cultured brown adipose tissue. I. Persistence of rabies virus in bat brown fat. *Amer J Hyg* 80:11-24, Jul 64
- Sulkin SE  
Allen E, Sims RA, Sulkin SE: Studies with cultured brown adipose tissue. II. Influence of low temperature on rabies virus infection in bat brown fat. *Amer J Hyg* 80:25-32, Jul 64
- Sulman D  
Sulman D, Ferguson DJ: Gastric freezing by alcohol perfusion. *Surg Forum* 15:325-7, 1964
- Sumiyoshi K  
Sumiyoshi K, Sumiyoshi M, Otani N, Kurono T: Changes of blood elements and the circulatory system in climbing. I. *Jap Circ J* 28:669-75, Sep 64
- Sumiyoshi K  
Sumiyoshi K, Sumiyoshi M, Otani N, Kurono T: Changes of blood elements and the circulatory system in climbing. II. *Jap Circ J* 28:661-8, Sep 64
- Sumiyoshi M  
Sumiyoshi K, Sumiyoshi M, Otani N, Kurono T: Changes of blood elements and the circulatory system in climbing. I. *Jap Circ J* 28:669-75, Sep 64
- Sumiyoshi M  
Sumiyoshi K, Sumiyoshi M, Otani N, Kurono T: Changes of blood elements and the circulatory system in climbing. II. *Jap Circ J* 28:661-8, Sep 64
- Sundberg D  
Berendsohn S, Lowman J, Sundberg D, Watson CJ: Idiopathic dyserythropoietic jaundice. *Blood* 24:1-18, Jul 64
- Sunderman FW Jr  
Sunderman FW Jr: Studies on the serum proteins. VI. Recent advances in clinical interpretation of electrophoretic fractionations. *Amer J Clin Path* 42:1-21, Jul 64
- Sundquist O  
Areskog NH, Löf B, Nylander G, Sundquist O, Thoren L: Arteriovenous fistula between the common iliac artery and vein. *Vasc Dis* 1:113-8, Mar 64
- Sussman HH  
Henkin RI, Levine ND, Sussman HH, Maxwell MH: Evidence for the presence of substances toxic for HeLa cells in the serum and in the dialysis fluid of patients with glomerulonephritis. *J Lab Clin Med* 64:79-88, Jul 64
- Sussman M  
Sonneborn DR, Sussman M, Levine L: Serological analyses of cellular slime-mold development. I. Changes in antigenic activity during cell aggregation. *J Bact* 87:1321-9, Jun 64
- Sustovich DR  
Pastanese D, Ramos OL, Lanfranchi W, Portugal OP, Finatti AA, Barreto HP, Sustovich DR: Serum-lipid levels in a Brazilian Indian population. *Lancet* 2:615-7, 19 Sep 64
- Suter DB  
Diller DA, Brownson RH, Suter DB: X-irradiation induced acute brain damage as a function of age. *J Neuropath Exp Neurol* 23:446-56, Jul 64
- Sutherland EW Jr  
Makman MH, Sutherland EW Jr: Use of liver adenyl cyclase for assay of glucagon in human gastro-intestinal tract and pancreas. *Endocrinology* 75:127-34, Jul 64
- Sutherland JC



# ABRIDGED INDEX MEDICUS

- Sutherland JC, Merki RT: Acute inversion of the urinary bladder in labour. *Brit Med J* 5415:991-2, 17 Oct 64
- Sutherland R  
Sutherland R, Rolinson GN: Activity of ampicillin in vitro compared with other antibiotics. *J Clin Path* 17:461-5, Jul 64
- Sutow WW  
Sutow WW: Cancer of the head and neck in children. *JAMA* 190:414-6, 2 Nov 64
- Sutter RA  
Sutter RA: A modern medical program for the small plant. Its contribution to safety. *Industr Med Surg* 33:560-3, Aug 64
- Sutton D  
Sutton D: Neuroradiology. *Practitioner* 193:89-95, Jul 64
- Sutton D  
Sutton D: Renal arteriography. *Proc Roy Soc Med* 57:661-4, Aug 64
- Suzuki F  
Carey JS, Suzuki F, Mladick RA, Baker RJ, Shoemaker WC: Hemodynamic effects of low viscosity dextran in surgical shock. *Surg Forum* 15:22-4, 1964
- Suzuki K  
Scheinberg LC, Suzuki K, Edelman F, Davidoff LM: Studies in immunization against a transplantable cerebral mouse glioma. *J Neurosurg* 20:312-7, Apr 63
- Svien HJ  
Svien HJ, Kennedy C, Kearns TP: Results of surgical treatment of pituitary adenoma. The factor of the excessively enlarged sella. *J Neurosurg* 20:669-74, Aug 63
- Svien HJ  
Olson RW, Baker HL Jr, Svien HJ: Arteriovenous fistula: a complication of vertebral angiography: report of a case. *J Neurosurg* 20:73-5, Jan 63
- Swallow JN  
Swallow JN: Discoloration of primary dentition after maternal tetracycline ingestion in pregnancy. *Lancet* 2:611-2, 19 Sep 64
- Swan KG  
Swan KG, Thorbjarnarson B: A new preparation for studying gastric secretion in the rat. *Surg Forum* 15:305-7, 1964
- Swank RL  
Swank RL, Hissen W, Fellman JH: 5-Hydroxytryptamine (serotonin) in acute hypotensive shock. *Amer J Physiol* 207:215-22, Jul 64
- Swanson AB  
Swanson AB: Evaluation of impairment of function in the hand. *Surg Clin N Amer* 44:925-40, Aug 64
- Swanson AB  
Swanson AB: Surgery of the hand in cerebral palsy. *Surg Clin N Amer* 44:1061-70, Aug 64
- Swanson AB  
Swanson AB: Levels of amputation of fingers and hand—Considerations for treatment. *Surg Clin N Amer* 44:1115-26, Aug 64
- Sweet EM  
Coleman EN, Sweet EM: Pulmonary hypertension following angiocardiology with sodium metrizoate. *Lancet* 2:913-4, 24 Oct 64
- Sweet RH  
Jick H, Sweet RH, Smith W, Macgaffey K, Snyder JG, Moore EW: The effect of dietary sodium restriction on the urine concentrating mechanism in cirrhosis. *Clin Sci* 26:397-403, Jun 64
- Sweetnam WP  
Sweetnam WP: Accidental poisoning in children. *Brit Med J* 5418:1199-200, 7 Nov 64
- Swencicki R  
Kleinfeld M, Messite J, Shapiro J, Kooyman O, Swencicki R: Lung function in talc workers. *Arch Environ Health (Chicago)* 9:559-66, Nov 64
- Swersey B  
Roe CF, Swersey B: A hydraulic scale for in-bed weighing of patients. *J Appl Physiol* 19:820-2, Jul 64
- Swinyard EA  
Swinyard EA, Boson FC, Goodman LS: Effect of epinephrine and norepinephrine on excitability of central nervous system of mice. *J Pharmacol Exp Ther* 144:52-9, Apr 64
- Switzer WE  
Teplitz C, Epstein BS, Rose LR, Switzer WE, Moncrief JA: Pathology of low tracheostomy in children. *Amer J Clin Path* 42:58-63, Jul 64
- Sylbert P  
Sylbert P: Steroids and spontaneous tendon rupture. *JAMA* 190:475, 2 Nov 64
- Symington T  
Symington T, Wallace N: Hormone investigations in cases of testicular tumour. *Brit J Urol* 36:Suppl:103-6, Jun 64
- Symington T  
Collins DH, Symington T: Sertoli-cell tumour. *Brit J Urol* 36:Suppl:52-61, Jun 64
- Symmes CB  
Flory MD, Symmes CB: Academic and emotional problems of college women: low-effort and high-effort syndromes. *Psychiatry* 27:290-4, Aug 64
- Symon L  
Symon L, Ishikawa S, Lavy S, Meyer JS: Quantitative measurement of cephalic blood flow in the monkey. *J Neurosurg* 20:199-218, Mar 63
- Snyder WH Jr  
Hill JT, Snyder WH Jr, Pollock WF: Management of complicated meconium ileus. *Amer J Surg* 108:233-8, Aug 64
- Szabó G  
Pásztor E, Szabó G, Slowik F, Zoltán J: Cavernous hemangioma of the base of the skull; report of a case treated surgically. *J Neurosurg* 21:582-5, Jul 64
- Szekely EG  
Spiegel EA, Wycis HT, Szekely EG, Soloff L, Adams DJ, Flanagan M, Baird HW 3d: Campotomy in various extrapyramidal disorders. *J Neurosurg* 20:871-84, Oct 63
- Szkodny A  
Zielinski J, Szkodny A: An unusual cause of renal colic in a pseudohermaphrodite. *Brit J Urol* 36:254-6, Jun 64
- Szturm Rubinstein S  
Szturm Rubinstein S: La survie de Shigella sonnei dans un fromage contaminé expérimentalement et conservé en glacière. *Presse Med* 72:2115-6, 29 Aug 64 (Fr)
- T  
Tabakin BS  
Falsetti HL, Naeye RL, Tabakin BS, Hanson JS: Uncomplicated total anomalous pulmonary venous return below the diaphragm. Report of a case. *Dis Chest* 46:102-6, Jul 64
- Taddei L  
Watson CJ, Taddei L, Bossenmaier I: Present status of the ehrlich Aldehyde reaction for urinary porphobilinogen. *JAMA* 190:501-4, 9 Nov 64
- Tagari H  
Tagari H, Dror Y, Ascarelli I, Bondi A: The influence of levels of protein and starch in rations of sheep on the utilization of protein. *Brit J Nutr* 18:333-56, 1964
- Tal HB  
Tal HB: Quantitative Veränderungen der Hämopoese bei chronischer Hepatitis, Fettzirrhose und atrophischer Leberzirrhose. *Blut* 10:67-81, Mar 64 (Ger)
- Takahashi H  
Takahashi H, Epker B, Frost HM: Resorption precedes formative activity. *Surg Forum* 15:437-8, 1964
- Takahashi I  
Takahashi I: Incorporation of bacteriophage genome by spores of *Bacillus subtilis*. *J Bact* 87:14499-502, Jun 64
- Takaku F  
Takaku F, Dukes PP, Goldwasser E: In vitro studies of cell types responsive to erythropoietin. *Endocrinology* 74:968-72, Jun 64
- Takaku F  
Dukes PP, Takaku F, Goldwasser E: In vitro studies on the effect of erythropoietin on glucosamine-1-14C incorporation into rat bone marrow cells. *Endocrinology* 74:960-7, Jun 64
- Takeda Y  
Takeda Y: Hormonal effects on metabolism and distribution of plasma albumin in the dog. *Amer J Physiol* 206:1229-36, Jun 64
- Takeda Y  
Takeda Y: Metabolism and distribution of autologous and homologous albumin-1-131 in the dog. *Amer J Physiol* 206:1223-8, Jun 64
- Takeda Y  
Takeda Y: Hormonal effects on distribution and excretion of iodide-1-131 in the dog. *Amer J Physiol* 206:1237-43, Jun 64
- Tala PM  
Kyllönen KE, Tala PM, Perttala Y: The "subclavian steal" syndrome. Clinical and roentgenological observations in 8 cases. *Ann Chir Gynaec Fenn* 53:305-14, 1964
- Talbot NB  
Saxena KM, Crawford JD, Talbot NB: Childhood thyrotoxicosis: a long-term perspective. *Brit Med J* 5418:1153-8, 7 Nov 64
- Talwalker PK  
Talwalker PK, Meites J, Mizuno H: Mammary tumor induction by estrogen or anterior pituitary hormones in ovariectomized rats given 7, 12-dimethyl-, 2-benzanthracene. *Proc Soc Exp Biol Med* 116:531-4, Jun 64
- Tamari I  
Zondek B, Tamari I: Effect of auditory stimulation of reproduction. IV. Experiments of deaf rats. *Proc Soc Exp Biol Med* 116:636-7, Jul 64
- Tanabe G  
Thomas D, Stein M, Tanabe G, Rege V, Wessler S: Mechanism of bronchoconstriction produced by thromboemboli in dogs. *Amer J Physiol* 206:1207-12, Jun 64
- Tancredi F  
Alifano A, Papa S, Tancredi F, Elicio MA, Quagliarile E: Tryptophan-nicotinic acid metabolism in patients with tumours of the bladder and kidney. *Brit J Cancer* 18:386-9, Jun 64
- Tani E  
Mullan S, Harper PV, Tani E, Vailati G, Lathrop KA: A nuclear needle for use in neurosurgery. *J Neurosurg* 20:940-7, Nov 63
- Tannenbaum M  
Connolly JG, Moser HA, Tannenbaum M, Graff S, Veemena JG: In vitro labeling and autoradiography of exfoliated cells in carcinoma of the human bladder. *Surg Forum* 15:489-90, 1964
- Tanser AR  
Tanser AR, Smellie H: Observations on adrenaline-induced fibrinolysis in man. *Clin Sci* 26:375-80, Jun 64
- Tapia J  
Tapia J, Stearns G, Ponseti IV: Vitamin-D resistant rickets. A long-term clinical study of 11 patients. *J Bone Joint Surg [Amer]* 46:935-58, Jul 64
- Tapley DF  
Tapley DF: Mode and site of action of thyroxine. *Mayo Clin Proc* 39:626-36, Aug 64
- Tapp E  
Tapp E: Ganglioneuroblastoma of the stomach. *J Path Bact* 88:79-82, Jul 64
- Tarkkanen A  
Niemi M, Tarkkanen A: Cholinesterases, monoamine oxidases, and phosphorylase in the iris muscles. *Arch Ophthalmol (Chicago)* 72:548-53, Oct 64
- Tarkkanen A  
Troopp H, Heiskanen O, Tarkkanen A, Koivusalo P, Aho J, Tarkkanen J: The neurological deficit after extracranial haematoma. *Lancet* 2:891-2, 24 Oct 64
- Tarkkanen J  
Troopp H, Heiskanen O, Tarkkanen A, Koivusalo P, Aho J, Tarkkanen J: The neurological deficit after extracranial haematoma. *Lancet* 2:891-2, 24 Oct 64
- Tarnay TJ  
Tarnay TJ, Warden HE: Isolated annulus: a method for the evaluation of intracardiac prosthetic thrombosis. *Surg Forum* 15:268-9, 1964
- Tartuher M  
Tourniaire A, Blum J, Tartuher M, Deyrieux F: Coeur pulmonaire chronique sclérodémique. *Presse Med* 72:2269-72, 23 Sep 64 (Fr)
- Tassinari L  
Dahl LK, Heine M, Tassinari L: Effects of chronic excess salt ingestion. Vascular reactivity in two strains of rats with opposite genetic susceptibility to experimental hypertension. *Circulation* 30:Suppl 2:11-22, Aug 64
- Tassopoulos NM  
Tassopoulos NM, Cayler GG, Finnerty M, Blaisdell WP, Williams GR: The effect of total body perfusion on digitalis tolerance. *Dis Chest* 46:130-7, Aug 64
- Tate CF Jr  
Shocket E, Dross RE, Tate CF Jr: Granuloma of the skin due to Mycobacterium fortuitum. *Southern Med J* 57:1352-6, Nov 64
- Tatossian A  
Serratrice G, Tatossian A, Poinso Y: Amyotrophie de Charcot-Marie associée à une atrophie optique bilatérale. *Presse Med* 72:2535-6, 17 Oct 64 (Fr)
- Taurog A  
Taurog A, Porter JC, Thio DT: Nature of the 131-I-compounds released into the thyroid veins of rabbits, dogs and cats, before and after TSH administration. *Endocrinology* 74:902-13, Jun 64
- Taurog A  
Taurog A: The biosynthesis of thyroxine. *Mayo Clin Proc* 39:569-85, Aug 64
- Taveras JM  
Stein BM, Leeds NE, Taveras JM, Pool JL: Meningiomas of the foramen magnum. *J Neurosurg* 20:740-51, Sep 63
- Taverner D  
Fearnlly ME, Rainer EH, Taverner D, Boyle TM, Miles DW: Cervical sympathetic block in treatment of Bell's palsy. A controlled trial. *Lancet* 2:725-7, 3 Oct 64
- Taves DR  
Taves DR, Neuman WF: Factors controlling calcification in vitro: the calcium phosphate ratio. *Proc Soc Exp Biol Med* 116:631-5, Jul 64
- Taylor A  
Taylor A, Taylor NC: The effect of sodium bromide on tumor growth. *Cancer Res* 24:751-3, May 64
- Taylor CE  
Kar S, Elhston EP, Taylor CE: Field method for concentrating *Mycobacterium leprae* in skin biopsy specimens. *Int J Leprosy* 32:18-23, Jan-Mar 64
- Taylor EJ Jr  
Makous N, Hong DC, Taylor EJ Jr: Hemodynamics of the Master two-step test in hypertension and healed myocardial infarction. *Circulation* 30:77-85, Jul 64
- Taylor G  
Massoud A, Taylor G: Byssinosis: antibody to cotton antigens in normal subjects and in cotton card-room workers. *Lancet* 2:607-10, 19 Sep 64
- Taylor G  
Kitamura I, Van Hooser G Jr, Samper L, Taylor G, Trentin JJ: Characteristics of human adenovirus type 12 induced hamster tumor cells in tissue culture. *Proc Soc Exp Biol Med* 116:563-8, Jul 64
- Taylor H  
Taylor H: Seven-year survival after bilateral adrenalectomy and oophorectomy for carcinomatosis. *Proc Roy Soc Med* 57:676-8, Aug 64
- Taylor KW  
Carpenter RG, Taylor KW: Statistical methods for examining retinopathy in relation to the control of diabetes and other factors. *Brit J Ophthalmol* 47:590-5, Oct 63
- Taylor ML  
Taylor WH, Taylor ML: Enzymes of the pyrimidine pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. *J Bact* 88:105-10, Jul 64
- Taylor NC  
Taylor A, Taylor NC: The effect of sodium bromide on tumor growth. *Cancer Res* 24:751-3, May 64
- Taylor RE Jr  
Fregly MJ, Taylor RE Jr: Effect of thyroxine on intake and loss of sodium by propylthiouracil-treated rats. *Endocrinology* 75:27-32, Jul 64
- Taylor RE Jr  
Taylor RE Jr, Fregly MJ: Renal response of propylthiouracil-treated rats to injected mineralocorticoids. *Endocrinology* 75:33-41, Jul 64
- Taylor RR  
Taylor RR, Johnston CI, Jose AD: Reversal of digitalis intoxication by beta-adrenergic blockade with pronethalol. *New Eng J Med* 271:877-82, 22 Oct 64
- Taylor SH  
MacKenzie GJ, Flenley DC, Taylor SH, McDonald AH, Staunton HP, Donald KW: Circulatory and respiratory studies in myocardial infarction and cardiogenic shock. *Lancet* 2:825-32, 17 Oct 64
- Taylor TK  
Taylor TK, Little K: Prolapsed calcified thoracic intervertebral disc. *J Path Bact* 88:153-7, Jul 64
- Taylor WC  
Stewart AG, Taylor WC: Amniotic fluid analysis as an aid to the ante-partum diagnosis of haemolytic disease. *J Obstet Gynaec Brit Comm* 71:604-8, Aug 64
- Taylor WH  
Taylor WH, Novelli GD: Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. *J Bact* 88:99-104, Jul 64
- Taylor WH  
Taylor WH, Taylor ML: Enzymes of the pyrimidine



# ABRIDGED INDEX MEDICUS

- pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. *J Bact* 88:105-10, Jul 64
- Taylor WH**  
Taylor WH, Novelli GD: Enzymes of the pyrimidine pathway in *Escherichia coli*. I. Synthesis by cells and spheroplasts. *J Bact* 88:99-104, Jul 64
- Taylor WH**  
Taylor WH, Taylor ML: Enzymes of the pyrimidine pathway in *Escherichia coli*. II. Intracellular localization and properties of dihydroorotic dehydrogenase. *J Bact* 88:105-10, Jul 64
- Taylor-Robinson D**  
Taylor-Robinson D, Canchoa J, Fox H, Chanock RM: A newly identified oral mycoplasma (*M. orale*) and its relationship to other human mycoplasmas. *Amer J Hyg* 80:135-48, Jul 64
- Teague RE**  
Teague RE: Local and multi-state water pollution control programs. *Arch Environ Health (Chicago)* 9:668-72, Nov 64
- Tease RD**  
Tease RD: Obstructive cardiomyopathy: pathology. *Proc Roy Soc Med* 57:445-6, Jun 64
- Tedesco TA**  
Mellman WJ, Oski FA, Tedesco TA, Maciera-Coelho A, Harris H: Leucocyte enzymes in Down's syndrome. *Lancet* 2:674-5, 20 Sep 64
- Tellum G**  
Tellum G: Amyloidosis secondary to agammaglobulinemia. *J Path Bact* 88:317-20, Jul 64
- Telem C**  
Kahana D, Telem C, Steinitz K, Solomon M: Generalized glycogenosis. Report of a case with deficiency of alpha glucosidase. *J Pediat* 65:243-51, Aug 64
- Telesman-Toppet N**  
Fischer-Williams M, Telesman-Toppet N, Meyer JS: Clinico-EEG correlation with arterial and jugular venous biochemical studies in acute neurological disorder. *Brain* 87:281-306, Jun 64
- Teng P**  
Teng P, Papatheodorou C: Suprachiasmatic and intraventricular meningioma in a four-year-old child. *J Neurosurg* 20:174-6, Feb 63
- Tenicela R**  
Safar P, Tenicela R: High altitude physiology in relation to anesthesia and inhalation therapy. *Anesthesiology* 25:515-31, Jul-Aug 64
- Tenuto RA**  
Tenuto RA, Canelas HM, Cruz OR, Franca LC: Trigeminal neuralgia caused by cysticercosis of the cavum meckelli: report of two cases. *J Neurosurg* 20:169-71, Feb 63
- Teplitz C**  
Teplitz C, Epstein BS, Rose LR, Switzer WE, Moncrief JA: Pathology of low tracheostomy in children. *Amer J Clin Path* 42:58-63, Jul 64
- Terquem J**  
Flabeau F, Terquem J, Robin B: Les hémobilies postopératoires. *Presse Med* 72:2381-4, 3 Oct 64 (Fr)
- Terra GJ**  
Terra GJ: The significance of leaf vegetables, especially of cassava, in tropical nutrition. *Trop Geogr Med* 16:97-108, Jun 64
- Terris M**  
Terris M: On the distinction between individual and social medicine. *Lancet* 2:653-5, 20 Sep 64
- Tervila L**  
Tervila L: Transfer of water from maternal blood to amniotic fluid of live and dead fetuses in health and in some pathological conditions of the mother. A study with tritium-labelled water. *Ann Chir Gynaec Fenn* 53:Suppl 131:1-69, 1964
- Thackray AC**  
Thackray AC: Seminoma. *Brit J Urol* 36:Suppl:12-27, Jun 64
- Thackray AC**  
Pugh RC, Thackray AC: Combined tumour. *Brit J Urol* 36:Suppl:45-51, Jun 64
- Thaidigman JH**  
Thaidigman JH, Schulman H: Placenta localization using radioactive I-131-tagged human serum albumin. *Obstet Gynec* 23:757-63, May 64
- Thal AP**  
Wilson RF, Sukhnanan R, Thal AP: Combined use of norepinephrine and dibenzylamine in clinical shock. *Surg Forum* 15:30-1, 1964
- Thatcher GN**  
Thatcher GN, Dreosti JM, Brock JF: Observations on the effects of the addition of different levels of sodium chloride to a protein-depletion diet. *S Afr Med J* 38:682-4, 22 Aug 64
- Thayer JB**  
Savastano AA, Thayer JB, Gibson TK: Experiences with the Harrington instrumentation method in the treatment of idiopathic scoliosis. A preliminary report. *J Int Coll Surg* 42:421-8, Oct 64
- Thaysen JH**  
Lundin M, Steiness I, Thaysen JH: Acute renal failure due to tubular necrosis, immediate prognosis and complications. *Acta Med Scand* 176:103-19, Jul 64
- Theilmann W**  
Dräger J, Grütner R, Theilmann W: Avoidance of side-reactions and loss of drug efficacy during long-term administration of carbonic anhydrase inhibitors by concomitant supplemental electrolyte administration. *Brit J Ophthalmol* 47:457-68, Aug 63
- Therriault DG**  
Woodside EE, Therriault DG, Kocholaty W: Lipids of human platelets and their action on the blood coagulation process. *Blood* 24:76-91, Jul 64
- Thio DT**  
Tauras A, Porter JC, Thio DT: Nature of the 131-I-compounds released into the thyroid veins of rabbits, dogs and cats, before and after TSH administration. *Endocrinology* 74:902-13, Jun 64
- Thoenes LA**  
Thoenes LA: The properties of catgut sutures sterilized by heat, ethylene oxide and electron beams. *J Int Coll Surg* 42:382-6, Oct 64
- Thomas BS**  
Bulbrook RD, Deshpande N, Ellis FG, Hayward JL, Parker J, Thomas BS, Wang DY: Androgens in human breast cancer. *Proc Roy Soc Med* 57:523-5, Jun 64
- Thomas D**  
Thomas D, Stein M, Tanabe G, Rege V, Wessler S: Mechanism of bronchoconstriction produced by thromboemboli in dogs. *Amer J Physiol* 208:1207-12, Jun 64
- Thomas J**  
Thomas J, Sinclair-Smith B, Bloomfield D, Davachi A: Non-surgical retrieval of a broken segment of steel spring guide from the right atrium and inferior vena cava. *Circulation* 30:106-8, Jul 64
- Thomas JP**  
Gann DS, Delea CS, Gill JR Jr, Thomas JP, Bartter FC: Control of aldosterone secretion by change of body potassium in normal man. *Amer J Physiol* 207:104-8, Jul 64
- Thomas KB**  
Cashell GT, Thomas KB: Cataract extraction under combined local and general analgesia using phenazocine. *Brit J Ophthalmol* 48:139-42, Mar 64
- Thomas KE**  
Thomas KE: Trans-septal extranasal approach to the pituitary. *Lancet* 2:735, 3 Oct 64
- Thomas LA**  
Bell JF, Thomas LA: A new virus, "MML", enzootic in bats (*Myotis lucifugus*) of Montana. *Amer J Trop Med* 13:607-12, Jul 64
- Thomas LM**  
Gurdjian ES, Hardy WG, Lindner DW, Thomas LM: Closed cervical cranial trauma associated with involvement of carotid and vertebral arteries. *J Neurosurg* 20:418-27, May 63
- Thomas LM**  
Scratch GP, Thomas LM, Darmody WR: Cinephotomicrographic studies of the pia vasculature in the monkey and cat. *Surg Forum* 15:409-10, 1964
- Thomas RP**  
Thomas RP: Effect of third cranial nerve on intraocular pressure. *Arch Ophthalmol (Chicago)* 72:529-34, Oct 64
- Thompson A**  
Hackett E, Thompson A: Anti-lens antibody in human sera. *Lancet* 2:663-6, 20 Sep 64
- Thompson BA**  
Thompson BA: Addiction to dextromoramide. *Brit Med J* 5417:1136, 31 Oct 64
- Thompson C**  
Thompson C: Surgical treatment of disorders of the fore part of the foot. *J Bone Joint Surg [Amer]* 46:1117-28, Jul 64
- Thompson EA**  
Billow BW, Thompson EA, Stern A, Florio A: A clinical study of erythromycin: a comparative evaluation of several salts. *Curr Ther Res* 6:381-4, May 64
- Thompson JC**  
Thompson JC, Davidson WD, Miller JH: Fractional isolation of the antral chalone from crude gastrin. *Surg Forum* 15:317-9, 1964
- Thompson JW**  
Thompson JW: Endocarditis as a cause of cerebrovascular lesions. *Brit Med J* 5417:1132, 31 Oct 64
- Thompson PE**  
Waitz JA, McClay P, Thompson PE: Effects of bithionol against *Paragonimus kellicotti* in rats. *Amer J Trop Med* 13:584-8, Jul 64
- Thompson RC**  
Thompson RC: Ether screen with chin holder. *Anesthesiology* 25:571-2, Jul-Aug 64
- Thompson RC**  
Thompson RC: A mouth prop holder for tonsillectomy. *Anesthesiology* 25:569-70, Jul-Aug 64
- Thompson RH JR**  
Wotman S, Mandel ID, Khotim S, Thompson RH JR, Kutscher AH, Zegarelli EV, Denning CR: Salt taste thresholds and cystic fibrosis. *Amer J Dis Child* 108:372-4, Oct 64
- Thomson JA**  
Thomson JA, Boyle JA, McGirr EM, Tilston RG: Clinical trial of modified gamma camera for thyroid scanning. *Lancet* 2:714-6, 3 Oct 64
- Thomson JG**  
Thomson JG: Fatal Well's disease with myocarditis in South Africa. *S Afr Med J* 38:696-700, 29 Aug 64
- Thomson NB Jr**  
Niguldula FN, Thomson NB Jr: Bacterial infections in the heart. An experimental study on the influence of silk and synthetic sutures. *Arch Surg (Chicago)* 89:669-76, Oct 64
- Thomson WH**  
Thomson WH: Laevadosin for muscular dystrophy. *Brit Med J* 5417:1135-6, 31 Oct 64
- Thorbjarnarson B**  
Swan KG, Thorbjarnarson B: A new preparation for studying gastric secretion in the rat. *Surg Forum* 15:305-7, 1964
- Thorburn IO**  
Smith WG, Cullen KJ, Thorburn IO: Electrocardiograms of marathon runners in 1962. Commonwealth games. *Brit Heart J* 24:469-76, Jul 64
- Thoren C**  
Larsson Y, Persson B, Sterky G, Thoren C: Functional adaptation to rigorous training and exercise in diabetic and nondiabetic adolescents. *J Appl Physiol* 18:629-35, Jul 64
- Thoren L**  
Areskog NH, Löf B, Nylander G, Sundquist O, Thoren L: Arteriovenous fistula between the common iliac artery and vein. *Vasc Dis* 1:113-8, Mar 64
- Thorne N**  
Thorne N: Cosmetics and the dermatologist. Hair colourings. I. *Brit J Clin Pract* 18:427-30 concl, Jul 64
- Thorne PR**  
Criley JM, Thorne PR: An inexpensive 35 to 16-mm. reduction printer and animation device for cineradiographic films. *Amer Heart J* 68:51-4, Jul 64
- Thorne Thorne B**  
Thorne Thorne B: A test lens rack holder. *Brit J Ophthalmol* 48:57, Jan 64
- Thornton JJ 3d**  
Jonkers AH, Spence L, Coakwell CA 3d, Thornton JJ 3d: Laboratory studies with wild rodents and viruses native to Trinidad. I. Studies on the behavior of coxsack virus. *Amer J Trop Med* 13:613-9, Jul 64
- Thornton WN Jr**  
Harbert GM Jr, Scoggin WA, McGaughey HS Jr, Thornton WN Jr: Placental hemodynamics in an artificial system. *Surg Forum* 15:388-9, 1964
- Thorpe BD**  
Sidwell RW, Lundgren DL, Thorpe BD: Psittacosis complement-fixing antibodies in sera from fauna of the Great Salt Lake Desert of Utah. *Amer J Trop Med* 13:591-4, Jul 64
- Thoyer-Rozat J**  
Thoyer-Rozat J, Seneze J, Brizard J: A propos de la conduite à tenir vis-à-vis des nouveau-nés de mère diabétique. *Presse Med* 72:2541-2, 17 Oct 64 (Fr)
- Thronicroft S**  
Hunter R, Earl CJ, Thronicroft S: An apparently irreversible syndrome of abnormal movements following phenothiazine medication. *Proc Roy Soc Med* 57:758-62, Aug 64
- Thureau J**  
Néel JL, Michel J, Thureau J: Les thromboses des veines profondes du membre supérieur gauche. *Presse Med* 72:2373-6, 3 Oct 64 (Fr)
- Thurston OG**  
Thurston OG, Couves CM: Prophylactic lymph node dissection. *Surg Forum* 15:343-4, 1964
- Tice DA**  
Tice DA, Dumont AE: Lethal factor in thoracic duct lymph following superior mesenteric artery ligation. *Surg Forum* 15:86-8, 1964
- Tidball ME**  
Tidball ME: Insulin and epinephrine effects on platelet histamine release in a plasma-free system. *Amer J Physiol* 207:177-80, Jul 64
- Tidwell HC**  
Tidwell HC, McPherson JC, Moore WT, Pope JL, Freeman A: Lipolytic activity in the blood after lipase ingestion. *Proc Soc Exp Biol Med* 116:720-3, Jul 64
- Tierney J**  
Werner SC, Relland JY, Csavossy I, Tierney J: Studies with mouse pituitary thyrotropic tumors. 8. *Endocrinology* 75:66-77, Jul 64
- Tilak SP**  
Tilak SP, Howard JM: Selective irradiation of lymph nodes as a means of conditioning for homotransplantation. *Surg Forum* 15:160-1, 1964
- Tillman AJ**  
Tillman AJ: Long-range incidence and clinical relationship of toxemias of pregnancy to hypertensive vascular disease. *Circulation* 30:Suppl 2:76-9, Aug 64
- Tilney NL**  
Tilney NL, Beattie EJ Jr, Economou SG: Neonatal thymectomy in the dog. *Surg Forum* 15:123-4, 1964
- Tilston RG**  
Thomson JA, Boyle JA, McGirr EM, Tilston RG: Clinical trial of modified gamma camera for thyroid scanning. *Lancet* 2:714-6, 3 Oct 64
- Timberlake CE**  
Warren JC, Timberlake CE: Biosynthesis of estrogens in pregnancy: precursor role of plasma dehydroisoandrosterone. *Obstet Gynec* 23:689-98, May 64
- Tindall GT**  
Tindall GT, Odom GL, Dillon ML, Cupp HB Jr, Mahaley MS Jr, Greenfield JC Jr: Direction of blood flow in the internal and external carotid arteries following occlusion of the ipsilateral common carotid artery. Observations in 19 patients. *J Neurosurg* 20:985-94, Nov 63
- Tipton JB**  
Tipton JB: Effect of cyclophosphamide in the adrenalectomized animal. *Surg Forum* 15:344-6, 1964
- Titterton E**  
Jenkins JS, Lowe RD, Titterton E: Effect of adrenocortical hormones on release of free fatty acids and uptake of glucose in human peripheral tissues. *Clin Sci* 28:421-7, Jun 64
- Titus JL**  
Shorter RG, Titus JL, Divertie MB: Cell turnover in the respiratory tract. *Dis Chest* 46:138-42, Aug 64
- Tjernberg B**  
Intonti F, Nylander G, Tjernberg B: Lymph vessels of the greater omentum. A preliminary investigation. *Vasc Dis* 1:203-5, Jul 64
- Tobian L**  
Tobian L: Similarities between clinical toxemia of pregnancy and experimental hypertension. A survey. *Circulation* 30:Suppl 2:80-95, Aug 64
- Tobias H**  
Condon RE, Tobias H, Datta DV: Importance of liver in release and degradation of lipoprotein lipase. *Surg Forum* 15:92-3, 1964
- Toda E**  
Nishihara M, Ogawa J, Kanetsuna F, Toda E, Isowa N: Myelinic figures in lepra cells examined by phase-contrast and electron microscopy. *Int J Leprosy* 32:45-52, Jan-Mar 64
- Todaro GJ**  
Todaro GJ, Green H: Serum albumin supplemented medium for long term cultivation of mammalian fibroblast strains. *Proc Soc Exp Biol Med* 116:688-92, Jul 64
- Todd D**  
McFarlane AS, Todd D, Cromwell S: Fibrinogen catabolism in humans. *Clin Sci* 28:415-20, Jun 64
- Todd EM**  
Alvarez-Carregal E, Crue BL Jr, Todd EM: Further observations of trigeminal antidromic potentials:



# ABRIDGED INDEX MEDICUS

- possible physiological function of sensory antidromic potentials. *J Neurosurg* 20:277-88, Apr 83
- Todd EM**  
**Todd EM, Crue BL Jr**: Burr-hole buttons for fixation of craniotomy bone. *J Neurosurg* 20:448-9, May 83
- Togawa K**  
**Nelson JR, Dammkoehler R, Kawasaki M, Togawa K**: Experimental observations of the relationships between upper airway obstruction and pulmonary function. *Ann Otol* 73:382-403, Jun 84
- Toigo A**  
**Reed R, Rubnitz ME, Toigo A**: Hemoptysis in sarcoidosis. Report of a case. *Dis Chest* 46:241-4, Aug 64
- Tolkadorf S**  
**Watnick AS, Gibson J, Vinegra M, Tolkadorf S**: Ethynyl estradiol: a potent orally active contraceptive in rats. *Proc Soc Exp Biol Med* 116:343-7, Jun 84
- Tom MI**  
**Turnbull IM, Tom MI**: Pigmented meningioma. *J Neurosurg* 20:76-80, Jan 63
- Tomas GE**  
**Tomas GE, Dallam D**: The phosphorylation reaction that accompanies the nonenzymic oxidation of 2-methyl-1,4-naphthohydroquinone diphosphate. *J Biol Chem* 239:1604-13, May 64
- Tomlin FG**  
**Tomlin FG**: Charges for patients. *Brit Med J* 5413:880-1, 3 Oct 64
- Tompkins PC**  
**Tompkins PC**: A consideration of basic radiation protection guides applicable to the general population. *Arch Environ Health (Chicago)* 9:659-63, Nov 64
- Tonelli G**  
**Tonelli G, Haynes J, Heyder E, Ringler I**: Bioassay of adrenocorticosteroids by the dog eosinophil response. *Proc Soc Exp Biol Med* 116:501-6, Jun 84
- Tonkin R**  
**Aylett P, Tonkin R**: Gastric secretory activity using the Kay and Hunt test meal methods. *Clin Sci* 26:351-7, Jun 64
- Tooley WH**  
**Bruderman I, Somers K, Hamilton WK, Tooley WH, Butler J**: Effect of surface tension on circulation in the excised lungs of dogs. *J Appl Physiol* 19:707-12, Jul 64
- Torii M**  
**Torii M, Kabat EA, Bazer AE**: Separation of teichoic acid of *Staphylococcus aureus* into two immunologically distinct specific polysaccharides with alpha- and beta-N-acetylglucosaminyl linkages respectively. Antigenicity of teichoic acids in man. *J Exp Med* 120:13-29, 1 Jul 64
- Torrano EF**  
**Murphy DP, Torrano EF**: Day of conception in relation to length of menstrual cycle. A study of 65 conceptions resulting from isolated coitus. *Fertil Steril* 15:385-9, Jul-Aug 64
- Torres ET**  
**Pitanguy I, Torres ET**: Histopathological aspects of mammary gland tissue in cases of plastic surgery of breast. *Brit J Plast Surg* 17:297-302, Jul 64
- Torres H**  
**Mullan S, Harper PV, Hekmatpanah J, Torres H, Dobbin G**: Percutaneous interruption of spinal-pain tracts by means of a strontium-90 needle. *J Neurosurg* 20:931-9, Nov 63
- Torres JC**  
**Torres JC, Angelakos ET**: Effect of hypothermia on excitation and propagation in the isolated atrium. *Amer J Physiol* 207:199-202, Jul 64
- Tour RL**  
**Tour RL**: The fading concept of the "unnecessary referral". *Arch Ophthalmol (Chicago)* 72:452-3, Oct 64
- Tourniaire A**  
**Tourniaire A, Blum J, Tartulien M, Deyrieux F**: Coeur pulmonaire chronique sclérodermique. (Fr) *Presse Med* 72:2269-72, 23 Sep 64
- Tourtellotte ME**  
**Tourtellotte ME, Morowitz HJ, Kasimer P**: Defined medium for *Mycoplasma laidlawii*. *J Bact* 88:11-5, Jul 64
- Tovell A**  
**Gandevia B, Tovell A**: The first Australian medical libraries. *Med J Aust* 2:314-20, 22 Aug 64
- Tovell RM**  
**Tovell RM, Steven RJ**: Problems of anesthesia for orthopedic procedures. *J Int Coll Surg* 42:429-37, Oct 64
- Tovi A**  
**Romanus T, Tovi A**: A variation of the atlas. Roentgenologic incidence of a bridge over the groove of the atlas for the vertebral artery. *Acta Radiol [Diagn] (Stockholm)* 2:289-97, Jul 64
- Tovi D**  
**Schisano G, Tovi D, Nordenstam H**: Spongioblastoma polare of the cerebral hemisphere. *J Neurosurg* 20:241-51, Mar 63
- Townsend HR**  
**Mani KS, Townsend HR**: The EEG in benign intracranial hypertension. *Electroenceph Clin Neurophysiol* 18:604-10, Jun 64
- Trafton GA**  
**Furchner JE, Trafton GA, Richmond CR**: Distribution of cesium-137 after chronic exposure in dogs and mice. *Proc Soc Exp Biol Med* 116:375-8, Jun 64
- Traberne JB**  
**Traberne JB**: Trial of Nactisol in general practice. *Brit J Clin Pract* 18:403-4, Jul 64
- Trasko VM**  
**Trasko VM**: Socioeconomic aspects of the pneumoconioses. *Arch Environ Health (Chicago)* 9:521-8, Oct 64
- Travaini DD**  
**Mann FD, Travaini DD**: Experimental postoperative cerebral edema. *J Neurosurg* 20:687-91, Aug 63
- Traxel WL**  
**Traxel WL, LeQuire VS**: In vitro activation of lipolytic activity in the serum of dogs by bile salts. *Proc Soc Exp Biol Med* 116:388-92, Jun 64
- Treadwell CR**  
**Vahouny GV, Treadwell CR**: Absolute requirement for free sterol for absorption by rat intestinal mucosa. *Proc Soc Exp Biol Med* 116:496-8, Jun 64
- Tree M**  
**Brown JJ, Davies DL, Lever AF, Lloyd AM, Robertson JI, Tree M**: A renin-like enzyme in normal human urine. *Lancet* 2:709-11, 3 Oct 64
- Treffert DA**  
**Treffert DA**: An evaluation of imipramine in enuresis. *Amer J Psychiat* 121:178-9, Aug 64
- Treiman DM**  
**Levine S, Treiman DM**: Differential plasma corticosterone response to stress in four inbred strains of mice. *Endocrinology* 75:142-4, Jul 64
- Tremblay RE**  
**Bourne HH, Tremblay RE, Ansell JS**: Stupor, hypercalcemia and carcinoma of the renal pelvis. *New Eng J Med* 271:1005-8, 5 Nov 64
- Trentin JJ**  
**Kitamura I, Van Hooser G Jr, Samper L, Taylor G, Trentin JJ**: Characteristics of human adenovirus type 12 induced hamster tumor cells in tissue culture. *Proc Soc Exp Biol Med* 116:563-8, Jul 64
- Trevaskis AE**  
**Marcks KM, Trevaskis AE, Berg EM, Puchner G**: Nasal defects associated with cleft lip deformity. *Plast Reconstr Surg* 34:176-81, Aug 64
- Trockman RW**  
**Dempsey ME, Seaton JD, Schroepfer GJ Jr, Trockman RW**: The intermediary role of delta-5,7-cholestadien-3-beta-ol in cholesterol biosynthesis. *J Biol Chem* 239:1381-7, May 64
- Troquet J**  
**Troquet J**: Aspects mécaniques de la ventilation au cours du choc anaphylactique du lapin. *Int Arch Allerg* 24:356-72, 1964 (Fr)
- Troupp H**  
**Troupp H, Heiskanen O, Tarkkanen A, Koivusalo P, Aho J, Tarkkanen J**: The neurological deficit after extradural haematoma. *Lancet* 2:891-2, 24 Oct 64
- Tsai LI**  
**McLaren GA, Asplund RO, Crow DG, Tsai LI, Porterfield ID**: Influence of dried grass silage and silage fractions on the basal metabolic rate of rats. *J Nutr* 83:218-24, Jul 64
- Tsampariakos JC**  
**Tsampariakos JC**: Effects of transient induced elevation of the intra-ocular pressure on the visual field. *Brit J Ophthalmol* 48:237-49, May 64
- Tsivyan YL**  
**Tsivyan YL**: Segmental vertebralotomy. *J Int Coll Surg* 42:404-7, Oct 64
- Tsuchioka H**  
**Lesage MA, Tsuchioka H, Young WG Jr, Sealy WC**: Tolerance of dogs to deep hypothermia. Controlled and maintained with a pump oxygenator. *Arch Surg (Chicago)* 89:877-84, Oct 64
- Tsuchiya G**  
**Kagen A, Tsuchiya G, Patterson V, Sugar O**: Test for patency of ventriculovascular shunt for hydrocephalus with radioactive iodinated serum albumin. *J Neurosurg* 20:1025-8, Dec 63
- Tsukada K**  
**Tsukada K, Lieberman I**: Metabolism of nucleolar ribonucleic acid after partial hepatectomy. *J Biol Chem* 239:1564-8, May 64
- Tu WH**  
**Shearn MA, Tu WH, Piel CF**: Recurrent nephrotic syndrome. *Arch Intern Med (Chicago)* 114:525-9, Oct 64
- Tubiana R**  
**Tubiana R, Valentin P**: The anatomy of the extensor apparatus of the fingers. *Surg Clin N Amer* 44:897-906, Aug 64
- Tubiana R**  
**Tubiana R, Valentin P**: The physiology of the extension of the fingers. *Surg Clin N Amer* 44:909-18, Aug 64
- Tubiana R**  
**Tubiana R**: Limited and extensive operations in Dupuytren's contracture. *Surg Clin N Amer* 44:1071-80, Aug 64
- Tuck S Jr**  
**Abramson DI, Tuck S Jr, Chu LS, Agustín CC, Lee SW**: Vascular effects of heparin. *Vasc Dis* 1:180-5, Jul 64
- Tucker KR**  
**Tucker KR, Ansell JS**: Radioautographic localization of estrogen in the hamster kidney. *Surg Forum* 15:393-4, 1964
- Tuffanelli DL**  
**Tuffanelli DL, Dubois EL**: Cutaneous manifestations of systemic lupus erythematosus. *Arch Derm (Chicago)* 90:377-86, Oct 64
- Tuffanelli DL**  
**Dubois EL, Tuffanelli DL**: Clinical manifestations of systemic lupus erythematosus. Computer analysis of 520 cases. *JAMA* 190:104-11, 12 Oct 64
- Tullner WW**  
**Tullner WW, Hertz R**: Suppression of corticosteroid production in the dog by monase. *Proc Soc Exp Biol Med* 116:837-40, Jul 64
- Turcotte J**  
**Harrison TS, Turcotte J, Fry WJ, De Weese MS**: Iliofemoral occlusive disease associated with aneurysms of the abdominal aorta. *New Eng J Med* 271:985-9, 5 Nov 64
- Turell DJ**  
**Turell DJ, Austin RC, Alexander JK**: Cardiorespiratory response of very obese subjects to treadmill exercise. *J Lab Clin Med* 64:107-16, Jul 64
- Turkheimer AR**  
**Lerner LJ, Turkheimer AR, Bianchi A, Singer FM, Borman A**: Comparison of anti-granuloma, thymolytic and glucocorticoid activities of anti-inflammatory steroids. *Proc Soc Exp Biol Med* 116:385-8, Jun 64
- Turnbull F**  
**Turnbull F**: Restoration of digital sensation after transection of nerves. *J Neurosurg* 20:238-40, Mar 63
- Turnbull FM Jr**  
**Doyle JH, Doyle JB Jr, Turnbull FM Jr**: Electrical stimulation of eight cranial nerve. *Arch Otolaryng (Chicago)* 80:388-91, Oct 64
- Turnbull IM**  
**Turnbull IM, Tom MI**: Pigmented meningioma. *J Neurosurg* 20:76-80, Jan 63
- Turner CW**  
**Diojosebagio S, Turner CW**: Effects of parathyroid extract, calciferol, hytakerol and crystalline dihydroxycholesterol on feed consumption in normal lactating rats. *Proc Soc Exp Biol Med* 116:646-8, Jul 64
- Tustanoff ER**  
**Lindsay WK, Tustanoff ER, Birdsell DC**: Uptake of tritiated proline in regenerating tendon. *Surg Forum* 15:459-61, 1964
- Twigg HL**  
**Twigg HL, Vance JC**: A radiographic evaluation of angiographic contrast media. *Vasc Dis* 1:54-7, Jan 64
- Twigger NA**  
**Gerson IM, Chat E, Twigger NA**: Clinical trial of a potentiated diketopiperazine derivative as a psychopharmacological agent for the treatment of psychotic patients. *Amer J Psychiat* 121:179-81, Aug 64
- Tyler ET**  
**Tyler ET**: Eight years' experience with oral contraception and an analysis of use of low-dosage norethisterone. *Brit Med J* 5413:843-7, 3 Oct 64
- Tyler HY**  
**Gerard AG, Tyler HY**: Large thymoma associated with bronchogenic carcinoma. Report of a case. *Dis Chest* 46:238-40, Aug 64
- Tyler WJ**  
**Labhaetwar AP, Collins WE, Tyler WJ, Casida LE**: Effect of progesterone and oxytocin on the pituitary-ovarian relationship in heifers. *J Reprod Fertil* 8:77-83, Aug 64
- Tyler WJ**  
**Labhaetwar AP, Collins WE, Tyler WJ, Casida LE**: Some pituitary-ovarian relationships in the periparturient cow. *J Reprod Fertil* 8:85-90, Aug 64
- Tytell AA**  
**Woodhour AF, Metzgar DP, Stim TB, Tytell AA, Hilleman MR**: New metabolizable immunologic adjuvant for human use. I. Development and animal immune response. *Proc Soc Exp Biol Med* 116:516-23, Jun 64

## U

- Udayachandar**  
**Krishnamurthi S, Shanta V, Udayachandar**: Stromal interference in radioresponse of squamous cell carcinoma of the oral cavity. *Clin Radiol* 15:246-50, Jul 64
- Ueda K**  
**Ross RS, Ueda K, Lichtlen PR, Rees JR**: Measurement of myocardial blood flow in animals and man by selective injection of radioactive inert gas into the coronary arteries. *Circ Res* 15:28-41, Jul 64
- Uenoyama K**  
**Uenoyama K, Uenoyama N, Iinuma I**: Vector-electro-oculography and its clinical application. Two-dimensional recording of eye movements. *Brit J Ophthalmol* 48:318-29, Jun 64
- Uenoyama N**  
**Uenoyama K, Uenoyama N, Iinuma I**: Vector-electro-oculography and its clinical application. Two-dimensional recording of eye movements. *Brit J Ophthalmol* 48:318-29, Jun 64
- Uichanco L**  
**Chesley LC, Uichanco L, Lenobel A, Kellerman H**: Placental permeability to sucrose: a source of error in measuring volumes of sucrose distribution in gravidas. *Obstet Gynec* 23:795-8, May 64
- Uilberg S**  
**Koransky W, Uilberg S**: Autoradiographic investigations of 14-C-labelled thalidomide and glutethimide in pregnant mice. *Proc Soc Exp Biol Med* 116:512-6, Jun 64
- Ullery JC**  
**Ullery JC, Kah R**: The use of mepergan for relief of pain in gynecologic tumor patients. *Curr Ther Res* 6:385-6, May 64
- Ullmann AS**  
**Ullmann AS, Fine G, Johnson AJ**: Localized amyloidosis (amyloid tumor) of the urethra. *J Urol* 92:42-4, Jul 64
- Ullmann LP**  
**Ullmann LP, Gurel L**: Size, staffing, and psychiatric hospital effectiveness. *Arch Gen Psychiat (Chicago)* 11:360-7, Oct 64
- Ullrick WC**  
**Ullrick WC**: Characteristic force-velocity equation of rat heart muscle. *Amer J Physiol* 206:1285-98, Jun 64
- Ulrych M**  
**Cort JH, Hammer J, Ulrych M, Pisa Z, Dousa T, Rudinger J**: Synthetic extended-chain analogues of vasopressin and oxytocin in the treatment of experimental haemorrhagic shock. *Lancet* 2:840-1, 17 Oct 64
- Umbreit WW**  
**Henneman DH, Umbreit WW**: Influence of the physical state of the bacterial cell membrane upon the rate of respiration. *J Bact* 87:1274-80, Jun 64
- Umbreit WW**  
**Henneman DH, Umbreit WW**: Factors which modify the effect of sodium and potassium on bacterial cell membranes. *J Bact* 87:1266-73, Jun 64
- Umbreit WW**  
**Henneman DH, Umbreit WW**: Influence of the physical state of the bacterial cell membrane upon the rate of respiration. *J Bact* 87:1274-80, Jun 64
- Unal M**  
**Unal M, Webb WR, Aslami A**: Metabolic responses to



# ABRIDGED INDEX MEDICUS

- various vasoactive and cardiotoxic agents in hypovolemia. *Surg Forum* 15:25-7, 1964
- Underwood GE**  
Underwood GE, Wisner CA, Weed SD: Cytosine arabinoside (CA) and other nucleosides in herpes virus infections. *Arch Ophthalmol* (Chicago) 72:505-12, Oct 64
- Unfug HV**  
Unfug HV: Emergency tracheostomy in hemophilia. *JAMA* 190:551-2, 9 Nov 64
- Ungar F**  
Raman PB, Ertel RJ, Ungar F: Conversion of progesterone-4-14C to 18-hydroxycorticosterone and aldosterone by mouse adrenals in vitro. *Endocrinology* 74:865-9, Jun 64
- Ungar M**  
Moran E, Ungar H: The effect of intermittent administration of alpha-naphthyl isothiocyanate to rats. *Amer J Path* 44:947-60, Jun 64
- Unnerus CE**  
Unnerus CE: Improvement of soft-part diagnosis in roentgenology. *Ann Chir Gynaec Fenn* 53:368-76, 1964
- Unnerus CE**  
Unnerus CE: Osteogenesis imperfecta. Two cases diagnosed in utero. *Ann Chir Gynaec Fenn* 53:383-8, 1964
- Uotila MH**  
Kaufman HE, Capella JA, Maloney ED, Robbins JE, Cooper GM, Uotila MH: Corneal toxicity of cytosine arabinoside. *Arch Ophthalmol* (Chicago) 72:535-40, Oct 64
- Upchurch HF**  
Kampschmidt RF, Upchurch HF: Effect of endotoxin upon total iron-binding capacity of the serum. *Proc Soc Exp Biol Med* 116:420-2, Jun 64
- Updegraff DM**  
Updegraff DM: A cultural method of quantitatively studying the microorganisms in the skin. *J Invest Derm* 43:129-37, Aug 64
- Upson JF**  
Edlich RF, Upson JF, Brennan JC: Electrocautery in percutaneous liver biopsy. *JAMA* 190:68-9, 5 Oct 64
- Upton AC**  
Christenberry KW, Upton AC, Conklin JW: Recording lens opacities. *Arch Ophthalmol* (Chicago) 72:867-9, Nov 64
- Urabe K**  
Urabe K, Saito H: The urease activity of mycobacteria. *Amer Rev Resp Dis* 90:266-7, Aug 64
- Urbach KF**  
Urbach KF, Lee WR, Sheely LL, Lang FL, Sharp RP: Spinal or general anesthesia for inguinal hernia repair? A comparison of certain complications in a controlled series. *JAMA* 190:25-9, 5 Oct 64
- Urich H**  
Greenbaum D, Richardson PC, Salmon MV, Urich H: Pathological observations on six cases of diabetic neuropathy. *Brain* 87:201-14, Jun 64
- Urner J**  
Jacobs S, Walsh JJ, Urner CJ, Rifkin H: Tuberculosis among seamen. *Public Health Rep* 79:933-6, Oct 64
- Urquhart J**  
Urquhart J, Davis JO, Higgins JT Jr: Simulation of spontaneous secondary hyperaldosteronism by intravenous infusion of angiotensin II in dogs with an arteriovenous fistula. *J Clin Invest* 43:1355-66, Jul 64
- Urschel HC**  
Urschel HC, Finney JW, Balla GA, Mallams JT: Regional oxygenation of the ischemic myocardium with hydrogen peroxide. *Surg Forum* 15:273-4, 1964
- Ursillo RC**  
Su C, Bevan JA, Ursillo RC: Electrical quiescence of pulmonary artery smooth muscle during sympathomimetic stimulation. *Circ Res* 15:26-7, Jul 64
- V**
- Vahlenkamp H**  
Voik H, Vahlenkamp H: Die Behandlung der hypertrophischen Pylorusstenose des Säuglings. *Deutsch Med Wschr* 89:1754-7, 11 Sep 64 (Ger)
- Vahouny GV**  
Vahouny GV, Treadwell RC: Absolute requirement for free sterol for absorption by rat intestinal mucosa. *Proc Soc Exp Biol Med* 116:496-8, Jun 64
- Vailati G**  
Mullan S, Harper PV, Tani E, Vailati G, Lathrop KA: A nuclear needle for use in neurosurgery. *J Neurosurg* 20:940-7, Nov 63
- Valaes T**  
Karaklis A, Valaes T, Pantelakis SN, Doxiadis SA: Thymectomy in an infant with autoimmune haemolytic anaemia. *Lancet* 2:778-80, 10 Oct 64
- Valaitis J**  
Romsdahl MM, Valaitis J, McGrath RG, McGrew EA: Effect of surgery of hematopoietic nucleated cells in the blood of cancer patients. *Surg Forum* 15:346-8, 1964
- Valdivia**  
Smith DW, Fregan GB, De Laquerriere L, Valdivia E: Induction of acquired resistance in guinea pigs with defatted Mycobacterium tuberculosis vaccines. *J Bact* 88:87-92, Jul 64
- Valdivieso VD**  
Valdivieso VD, Schwabe AD: Effect of exclusion of hepatic circulation on oxidation of octanoic acid in the rat. *Proc Soc Exp Biol Med* 116:290-2, Jun 64
- Valentin P**  
Tubiana R, Valentin P: The anatomy of the extensor apparatus of the fingers. *Surg Clin N Amer* 44:897-906, Aug 64
- Valentin P**  
Tubiana R, Valentin P: The physiology of the extension of the fingers. *Surg Clin N Amer* 44:909-18, Aug 64
- Valentine GH**  
Sergovich FR, Valentine GH, Carr DE, Soltan HC: Mongolism (Down's syndrome) with atypical clinical and cytogenetic features. *J Pediat* 65:197-207, Aug 64
- Valentine GH**  
De Veber LL, Valentine GH: Nitrofurantoin and megaloblastic anaemia. *Lancet* 2:697-8, 20 Sep 64
- Valentine GH**  
Valentine GH: Chromosomes without tears. I. Practitioner 193:61-8 contd, Jul 64
- Valera AC**  
Parlier HE, Housay AB, Zapata AC, Valera AC, Funes JF: 1-131-uptake in cervical mucus during the menstrual cycle. *Fertil Steril* 15:433-9, Jul-Aug 64
- Valiant ME**  
Frost BM, Valiant ME: An evaluation of cephalosporin derivatives in vitro and in experimental infections. *J Path Bact* 88:125-36, Jul 64
- Valk WL**  
Holtgrewe HL, Valk WL: Late results of transurethral prostaticectomy. *J Urol* 92:51-5, Jul 64
- Vallee D**  
Elmendorff H von, Vallée D: Über den Abbau der Plasmalipide in Blutkonserven. *Blut* 10:61-7, Mar 64 (Ger)
- Vallyathan NV**  
George JC, Vallyathan NV: Effect of exercise on free fatty acid levels in the pigeon. *J Appl Physiol* 19:619-22, Jul 64
- Valsecchi RM**  
Marcilese NA, Valsecchi RM, Figueiras HD, Camberos HR, Varela JE: Normal blood volumes in the horse. *Amer J Physiol* 207:223-7, Jul 64
- Valverde L**  
Mackenzie RB, Beye HK, Valverde L, Garrón H: Epidemic hemorrhagic fever in Bolivia. I. A preliminary report of the epidemiologic and clinical findings in a new epidemic area in South America. *Amer J Trop Med* 13:820-5, Jul 64
- Van Allen MW**  
Green D, Joynt RJ, Van Allen MW: Neuromyopathy associated with a malignant carcinoid tumor. A case report. *Arch Intern Med* (Chicago) 114:494-6, Oct 64
- Vanamee P**  
Reem GH, Vanamee P: Effect of sodium lactate on urate clearance in the Dalmatian and in the mongrel. *Amer J Physiol* 207:113-7, Jul 64
- Van Arsdell PP Jr**  
Coleen J, Van Arsdell PP Jr, Pasnick LJ, Horan JD: Observations on the experimental reproduction of asthma with mold antigens. *J Allerg* 35:331-8, Jul-Aug 64
- Vanasupa P**  
Lourie H, Vanasupa P: Comments on the use of intraspinal phenol-pantopaque for relief of pain and spasticity. *J Neurosurg* 20:60-3, Jan 63
- Van Brunt EE**  
Wise BL, Van Brunt EE, Ganong WF: Effect of brain removal in dogs previously subjected to pituitary stalk section. *Proc Soc Exp Biol Med* 116:306-10, Jun 64
- Van Buren JM**  
Van Buren JM: Confusion and disturbance of speech from stimulation in vicinity of the head of the caudate nucleus. *J Neurosurg* 20:148-57, Feb 63
- Vance JC**  
Twigg HL, Vance JC: A radiographic evaluation of angiographic contrast media. *Vasc Dis* 1:54-7, Jan 64
- VanDemark PJ**  
VanDemark PJ, Smith PF: Respiratory pathways in the Mycoplasma. II. Pathway of electron transport during oxidation of reduced nicotinamide adenine dinucleotide by Mycoplasma hominis. *J Bact* 88:122-9, Jul 64
- Van Der Kuyf E**  
Van Der Kuyf E: Report on malaria eradication in Surinam. *Trop Geogr Med* 16:172-3, Jun 64
- Van Der Kuyf E**  
Witterdink JB, Metselaar D, Van Der Kuyf E, Verlinde JD: Poliomyelitis in Surinam. Report on a type-1 outbreak in 1963 and its control by trivalent oral polio virus vaccine. *Trop Geogr Med* 16:120-8, Jun 64
- Van Der Sar A**  
Vinke B, Van Der Sar A, Wolff JW: The occurrence of leptospirosis on Curaçao (Neth. Antilles). *Trop Geogr Med* 16:167-9, Jun 64
- Vander Veer JB**  
Vander Veer JB, Robinson HJ, Blake AD Jr: Abdominal aortic aneurysm with vena caval fistula. Report of a case with observations on an unusual clinical course. *Arch Intern Med* (Chicago) 114:551-4, Oct 64
- Vanderwolf CH**  
Vanderwolf CH, Heron W: Electroencephalographic waves with voluntary movement. Study in the rat. *Arch Neurol* (Chicago) 11:379-84, Oct 64
- Van DeWater J**  
Martin DC, Van DeWater J, Randel D, Lee DA: Prolonged functional survival of dog renal grafts with local radiation. *Surg Forum* 15:156-8, 1964
- Van Dyke D**  
Van Dyke D, Janssen P: Removal of cerebral cortical tissue with negligible scar formation using a beam of high-energy particles. *J Neurosurg* 20:289-95, Apr 63
- Van Etten JL**  
Gottlieb D, Van Etten JL: Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in Penicillium atrovirens. *J Bact* 88:114-21, Jul 64
- Van Graan CH**  
Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Van Graan CH**  
Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Van Hooser G Jr**  
Kitamura I, Van Hooser G Jr, Samper L, Taylor G, Trentin JJ: Characteristics of human adenovirus type 12 induced hamster tumor cells in tissue culture. *Proc Soc Exp Biol Med* 116:563-8, Jul 64
- Van Leuven RM**  
Hobbs HE, Van Leuven RM: Rehabilitation after cataract extraction. *Brit J Ophthalmol* 48:361-3, Jul 64
- Vannier WE**  
Andersen BR, Vannier WE: The sedimentation properties of the skin-sensitizing antibodies of ragweed-sensitive patients. *J Exp Med* 120:31-43, 1 Jul 64
- Van Reen R**  
Van Reen R, Simmons WK, Jenkins LJ Jr: Urolithiasis in the rat. IV. Influence of amino acid supplements on the occurrence of citrate calculi. *J Nutr* 83:358-64, Aug 64
- Van Rensburg AJ**  
Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Van Rensburg AJ**  
Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Varco RL**  
Castaneda AR, Bernstein EF, Varco RL: Tolerance to chronic hemolysis. *Surg Forum* 15:84-6, 1964
- Varco RL**  
Clark DS, Gewurz H, Good RA, Varco RL: Complement fixation during homograft rejection. *Surg Forum* 15:144-6, 1964
- Varco RL**  
Buchwald H, Varco RL: Ileal bypass in lowering high cholesterol levels. *Surg Forum* 15:289-91, 1964
- Varela JE**  
Marcilese NA, Valsecchi RM, Figueiras HD, Camberos HR, Varela JE: Normal blood volumes in the horse. *Amer J Physiol* 207:223-7, Jul 64
- Varley H**  
Berlyne GM, Varley H, Nilwarrangkur S, Hoerni M: Endogenous-creatinine clearance and glomerular-filtration rate. *Lancet* 2:874-6, 24 Oct 64
- Varughese G**  
Varughese G: Indirect cystometry. *J Neurosurg* 20:655-9, Aug 63
- Vasaitis V**  
Pollard WO, Shorb MS, Lund PG, Vasaitis V: Effect of triparanol on synthesis of fatty acids by Tetrahymena pyriformis. *Proc Soc Exp Biol Med* 116:539-43, Jun 64
- Vasko JS**  
Vasko JS, Brockman SK: Massive venous occlusion of the lower extremity. *Surg Forum* 15:233-5, 1964
- Vastola EF**  
Vastola EF, Rosen AD: Unit activity during polarization of the optic tract and lateral geniculate body. *Amer J Physiol* 206:1401-7, Jun 64
- Vaughan JH**  
Butler VP Jr, Vaughan JH: Hemagglutination by rheumatoid factor of cells coated with animal gamma globulins. *Proc Soc Exp Biol Med* 116:585-93, Jul 64
- Vawter GF**  
Farber S, Vawter GF: Clinical pathological conference. The Children's Hospital Medical Center, Boston, Mass. *J Pediat* 65:306-10, Aug 64
- Vawter GF**  
Ziering W, Vawter GF: "The battered baby syndrome." *J Pediat* 65:321-2, Aug 64
- Veenema RJ**  
Connolly JG, Moser HA, Tannenbaum M, Graff S, Veenema RJ: In vitro labeling and autoradiography of exfoliated cells in carcinoma of the human bladder. *Surg Forum* 15:489-90, 1964
- Veith FJ**  
Veith FJ, Luck J, Murray JE: Splenectomy in immunosuppressive regimens in dog and man. *Surg Forum* 15:161-3, 1964
- Velasquez T**  
Velasquez T, Farhi LE: Effect of negative-pressure breathing on lung mechanics and venous admixture. *J Appl Physiol* 19:665-71, Jul 64
- Vella F**  
Vella F: Further data on the frequency of increased erythrocyte osmotic resistance in the Maltese Islands. *Trop Geogr Med* 16:109-14, Jun 64
- Vellios F**  
Newman D, Vellios F: Adult carcinosarcoma (adult Wilms' tumor) of the kidney. *Amer J Clin Path* 42:45-54, Jul 64
- Venters RS**  
Venters RS: The district hospital as teaching centre. *Lancet* 2:807-9, 10 Oct 64
- Veomett RC**  
Norman A, Ottomano RE, Sasaki M, Veomett RC: The frequency of dicentric in human leukocytes irradiated in vivo and in vitro. *Radiology* 83:108-10, Jul 64
- Verdan C**  
Verdan C: Practical considerations for primary and secondary repair in flexor tendon injuries. *Surg Clin N Amer* 44:951-70, Aug 64
- Verdino B**  
Verdino B, Blank ML, Privett OS, Lundberg WO: Metabolism of 4,7,10,13,16-docosapentaenoic acid in the essential fatty acid-deficient rat. *J Nutr* 83:234-8, Jul 64
- Verdura J**  
White RJ, Buergler MT, Verdura J: Cerebral angiography in the monkey by retrograde brachial injection. *J Neurosurg* 20:408-9, May 63
- Verdura J**  
Brown HW, White RJ, Albin MS, Verdura J: Profound selective cerebral hypothermia in dogs by naso-oral perfusion and head immersion. *Surg Forum* 15:413-5, 1964



# ABRIDGED INDEX MEDICUS

- White RJ, Verdura J: The clinical implication of cerebral angiography in the monkey. *Vasc Dis* 1:29-33, Jan 64
- Verel D  
Verel D: Anticoagulants: another view. *Brit Med J* 5417:1135, 31 Oct 64
- Verghese RV  
Jeejeebhoy KN, Desai HG, Verghese RV: Milk intolerance in tropical malabsorption syndrome. Role of lactose malabsorption. *Lancet* 2:866-8, 20 Sep 64
- Verlinde JD  
Metselaar D, Witterdink JB, Verlinde JD: Virological and serological observations made during the development and control of an outbreak of poliomyelitis in Surinam. *Trop Geogr Med* 18:129-34, Jun 64
- Verlinde JD  
Witterdink JB, Metselaar D, Van Der Kuyp E, Verlinde JD: Poliomyelitis in Surinam. Report on a type-1 outbreak in 1963 and its control by trivalent oral polio virus vaccine. *Trop Geogr Med* 18:120-8, Jun 64
- Verma BS  
Verma BS, Gulati OD, Gokhale SD, Shah KC: Guanethidine and phenoxymethylamine in atopic dermatitis. A clinical trial. *Arch Derm (Chicago)* 90:414-7, Oct 64
- Vermeylen J  
Amery A, Vermeylen J, Maes H, Verstraete M: Pitfalls in the thrombolytic treatment of venous occlusion. *Vasc Dis* 1:89-93, Mar 64
- Vernadakis A  
Vernadakis A, Woodbury DM: Electrolyte and nitrogen changes in skeletal muscle of developing rats. *Amer J Physiol* 206:1365-8, Jun 64
- Vernick JJ  
Vernick JJ, Magell J, Hoppe ET: Alkylating agents and iodophor compounds for the prevention of local recurrence of cancer. *Surg Forum* 15:336-8, 1964
- Verosky M  
Nahas GG, Verosky M, Schwartz I: Urinary excretion of THAM citrate orally administered. *Proc Soc Exp Biol Med* 116:378-82, Jun 64
- Verstraete M  
Amery A, Vermeylen J, Maes H, Verstraete M: Pitfalls in the thrombolytic treatment of venous occlusion. *Vasc Dis* 1:89-93, Mar 64
- (Vesalius A)  
(Vesalius A), Soubiran A: André Vésale fondateur de l'anatomie moderne (1514-1564) *Presse Med* 72:2357-9, 28 Sep 64 (Fr)
- Vetto RM  
Belser FO, Park HY, Vetto RM: Factors influencing renal blood flow during isolated perfusion. *Surg Forum* 15:222-4, 1964
- Vic-Dupont  
Vic-Dupont, Margairaz A, Cartier F, Assan R: Aspects cliniques et thérapeutiques actuels des méningococques. (A propos de 20 cas observés en 1963) *Presse Med* 72:2313-6, 28 Sep 64 (Fr)
- Videbaek A  
Videbaek A: Chlorophazolin (Erysan) may induce cancer of the urinary bladder. *Acta Med Scand* 176:45-50, Jul 64
- Vidrio H  
Pardo EG, Vidrio H: Sustained hypertension in dogs following chronic administration of ganglionic blocking agents. *J Pharmacol Exp Ther* 144:124-30, Apr 64
- Vieheweger G  
Gerlach J, Jensen HP, Spuler H, Viehweger G: Traumatic carotico-cavernous fistula combined with persisting primitive hypoglossal artery. *J Neurosurg* 20:885-7, Oct 63
- Viets H  
(Ayer JB), Denny-Brown D, Viets H, Adams R, Schwab R, Kubik C, Smith R: James Bourne Ayer, MD 1882-1963. *Arch Neurol (Chicago)* 11:449-51, Oct 64
- Vigliani EC  
Vigliani EC, Saita G: Benzene and leukemia. *New Eng J Med* 271:872-6, 22 Oct 64
- Vignolo L  
Nordio S, Lamedica GM, Vignolo L, Berio A: Disaccharide intolerance and mucoviscidosis. *Lancet* 2:819, 10 Oct 64
- Vijay SD  
Nath K, Vijay SD, Nema HV, Shukla BR: Crouzon's disease and pituitary dysfunction. Crouzon's disease, hypopituitarism, ectopia lentis, secondary glaucoma, and iris atrophy in deaf-mute family. *Brit J Ophthalmol* 48:162-4, Mar 64
- Villani R  
Migliore A, Paoletti P, Villani R: Studies on the rate of disappearance of Na-24 from the ventricular cavities in obstructive hydrocephalus. *J Neurosurg* 21:521-3, Jul 64
- Villani R  
Courbier R, Monties JR, Villani R, Henry E: Les réactions tissulaires au contact des fils de suture non résorbables. (Etude expérimentale comparative) *Presse Med* 72:2233-4, 19 Sep 64 (Fr)
- Villarreal Y  
Zaroff LI, Lowenstein E, Walker HL, Villarreal Y: Excess lactate in cyanotic dogs during hyperbaric oxygenation. *Surg Forum* 15:202-3, 1964
- Villavicencio D  
Reynafarje C, Ramos J, Faura J, Villavicencio D: Humoral control of erythropoietic activity in man during and after altitude exposure. *Proc Soc Exp Biol Med* 116:649-50, Jul 64
- Vinal C  
Estid M, Mainetti JM, Vinal C: Takayasu's arteritis: aortic carotid bypass. *Vasc Dis* 1:96-108, Mar 64
- Vinardi G  
Natali J, Lacombe M, Bruchou P, Vinardi G: Les traumatismes artériels vus tardivement. Conduite à tenir en leur présence. *Presse Med* 72:2273-8, 23 Sep 64 (Fr)
- Vinegra M  
Watnick AS, Gibson J, Vinegra M, Tolksdorf B: Ethynyl estradiol: a potent orally active contraceptive in rats. *Proc Soc Exp Biol Med* 116:343-7, Jun 64
- Vinke B  
Vinke B: Hypoglycaemic coma and hyperkalaemic acidosis due to alcohol intoxication. *Trop Geogr Med* 18:115-9, Jun 64
- Vinke B  
Vinke B, Van Der Sar A, Wolff JW: The occurrence of leptospirosis on Curaçao (Neth. Antilles). *Trop Geogr Med* 18:167-9, Jun 64
- Vinton WH Jr  
Schroeder HA, Balassa JJ, Vinton WH Jr: Chromium, lead, cadmium, nickel and titanium in mice: effect on mortality, tumors and tissue levels. *J Nutr* 83:239-50, Jul 64
- Viranko M  
Ikka E, Siurala M, Viranko M: Hypoparathyroidism and pernicious anaemia. *Acta Med Scand* 176:73-7, Jul 64
- Viranko M  
Elisalo A, Järvinen PA, Viranko M: Effect of intravenous infusion of valine-5-angiotensin on the excretion of urinary electrolytes early in pregnancy. *Ann Chir Gynaec Fenn* 53:389-93, 1964
- Vogt JA  
Cavanagh JB, Passingham RJ, Vogt JA: Staining of sensory and motor nerves in mice with sudan black B. *J Path Bact* 88:89-92, Jul 64
- Volck H  
Volck H, Vahlenkamp H: Die Behandlung der hypertrophischen Pylorusstenose des Säuglings. *Deutsch Med Wschr* 89:1754-7, 11 Sep 64 (Ger)
- Voller A  
Bryant C, Voller A, Smith MJ: The incorporation of radioactivity from [<sup>14</sup>C]glucose into the soluble metabolic intermediates of malaria parasites. *Amer J Trop Med* 13:515-9, Jul 64
- Voller A  
Fulton JD, Voller A: Evaluation of immunofluorescent and direct agglutination methods for detection of specific toxoplasma antibodies. *Brit Med J* 5418:1173-5, 7 Nov 64
- Vonderahe AR  
Peters JJ, Vonderahe AR, McDonough JJ: Electrical changes in brain and eye of developing chick during hyperthermia. *Amer J Physiol* 207:280-4, Jul 64
- Von Fintel RG  
Quick GV, Von Fintel RG, De Muelenaere HJ: The effect of soil fertilization practices on the total protein and zein content of maize. *S Afr Med J* 38:645-8, 22 Aug 64
- Von Leden H  
Von Leden H, Schiff M: Antimetabolite therapy in midline lethal granuloma. *Arch Otolaryng (Chicago)* 80:480-3, Oct 64
- Von Rahden MJ  
Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Von Rahden MJ  
Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rahden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Voorhes ML  
Voorhes ML: Whalen JP: Role of catecholamine excretion in diagnosis and treatment of neuroblastoma: report of two cases. *Radiology* 83:92-7, Jul 64
- Vorhees AB  
Smith RB 3d, Vorhees AB, Davidson EA, Barker HG: Toxic effects of ingested whole proteins and amino acid mixtures in patients with portal systemic encephalopathy. *Surg Forum* 15:98-9, 1964
- Voris HC  
Vorish HC: Cranioplasty in a cranio-pagus twin. *J Neurosurg* 20:145-7, Feb 63
- Vorster LJ  
Vorster LJ: The edible oilseeds industry of South Africa. *S Afr Med J* 38:652-4, 22 Aug 64
- Voutilainen A  
Voutilainen A, Niklander S: Results of radiation dosimetry in telecobalt and roentgen therapy. *Ann Chir Gynaec Fenn* 53:357-63, 1964
- Vrabec F  
Vrabec F, Sedláčková J: Neuro-histological findings in osteopetrosis (Albers-Schönberg disease). *Brit J Ophthalmol* 48:218-22, Apr 64
- W  
Waddell WR  
Waddell WR, Hurley N: Reduction of serum lipids following portacaval transposition in diabetic dogs. *Metabolism* 13:662-71, Jun 64
- Waddell WR  
Sexton AW, Marchioro TL, Waddell WR, Starns TE: Liver deglycogenation after portacaval transposition. *Surg Forum* 15:120-2, 1964
- (Wade HW)  
(Wade HW), Long ER: H.W. Wade, M.D., Editor Emeritus. *Int J Leprosy* 32:73-7, Jan-Mar 64
- Wade JD  
Williams AW, Mackenzie GJ, Davies SH, Wade JD: The healing of right ventricular incisions. *J Path Bact* 88:197-201, Jul 64
- Wade-Evans T  
Wade-Evans T: The diagnosis of choriocarcinoma. *Clin Radiol* 15:258-9, Jul 64
- Wagle SR  
Wagle SR, Ashmore J: Studies on experimental diabetes. 3. Effects of acute insulin insufficiency on <sup>14</sup>C-glucose formation from labeled substrates. *J Biol Chem* 239:1289-91, May 64
- Wagle SR  
Wagle SR, Gans JH: Effects of growth hormone on glucose-U-<sup>14</sup>C metabolism in dog. *Proc Soc Exp Biol Med* 116:793-4, Jul 64
- Wagner BM  
Wagner BM: Bioastronautics. Man in the space environment. *Arch Path (Chicago)* 78:454-7, Oct 64
- Wagner F  
Herberg D, Geisler L, Dengler HJ, Wagner F: Spastische Emphysebronchitis und chronisches Cor pulmonale. *Deutsch Med Wschr* 89:1782-6, 18 Sep 64 (Ger)
- Wagner HN Jr  
Holzman GB, Wagner HN Jr, Ito M, Rabinowitz D, Zierler KL: Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. *Circulation* 30:27-34, Jul 64
- Wagner S  
Sataloff J, Wagner S, Menduke H: Kanamycin ototoxicity in healthy men. *Arch Otolaryng (Chicago)* 80:413-7, Oct 64
- Wahlberg P  
Wahlberg P: Guanethidine in familial porphyria. *Lancet* 2:817-8, 10 Oct 64
- Wahren B  
Wahren B: Further studies of the immunological properties of Gross virus-induced lymphomas. *Cancer Res* 24:906-14, Jun 64
- Wainio WW  
Wainio WW: A further purification of cytochrome oxidase. *J Biol Chem* 239:1402-5, May 64
- Waite DE  
Waite DE: Disorders of the temporomandibular joint. *Plast Reconstr Surg* 34:186-91, Aug 64
- Waitz JA  
Waitz JA, McClay P, Thompson PE: Effects of bithionol against *Paragonimus kellicotti* in rats. *Amer J Trop Med* 13:564-8, Jul 64
- Wakim KG  
Wakim KG: Bodily reactions to high temperature. *Anesthesiology* 25:532-48, Jul-Aug 64
- Waldrott GL  
Waldrott GL: Fluoride and optic neuritis. *Brit Med J* 5414:945, 10 Oct 64
- Walden CC  
Howard TE, Halvorson HN, Walden CC: Toxicity of copper compounds to the small vector hosts of the agent of Schistosoma dermatitis, in waters of differing hardness. *Amer J Hyg* 80:33-44, Jul 64
- Walder DN  
Brown IS, Ross WM, Walder DN: The combined thiotepa and testosterone treatment of cancer of the breast. *Brit J Cancer* 18:238-46, Jun 64
- Waldhausen JA  
Waldhausen JA, Abel FL, Selkurt EE: Splanchnic blood flow in the monkey during hemorrhagic shock. *Surg Forum* 15:7-8, 1964
- Waldmann TA  
Rouse WF, Waldmann TA: The metabolism of erythropoietin in patients with anemia due to deficient erythropoiesis. *J Clin Invest* 43:1348-54, Jul 64
- Waldron HA  
Waldron HA: The effect of lead on the fragility of the red cell incubated in vitro. *J Clin Path* 17:405-6, Jul 64
- Waldstein SS  
Waldstein SS, Dubin A, Newcomer A, McKenna CH: Determination of exogenous galactose in blood using "specially purified" glucose oxidase. *Clin Chem* 10:381-90, May 64
- Wales RG  
O'Shea T, Wales RG: Effects of potassium on ram spermatozoa during chilling to and storage at 5 degrees C. *J Reprod Fertil* 8:121-32, Aug 64
- Walker AA 3d  
Elliott HC, Walker AA 3d: Fluorometric microanalysis of plasma hippuric acid and comparison of hippurate with p-aminobiphenyl clearances in dogs. *Proc Soc Exp Biol Med* 116:268-70, Jun 64
- Walker AE  
Ostenek RJ, Walker AE: The use of adhesive tapes for closure of scalp and skin. *J Neurosurg* 20:812-3, Sep 63
- Walker AE  
Ercule F, Walker AE: Posttraumatic epilepsy and early cranioplasty. *J Neurosurg* 20:1085-9, Dec 63
- Walker DM  
Walker DM, Faichney GJ: Nitrogen balance studies with the milk-fed lamb. 3. Effect of different nitrogen intakes on growth and nitrogen balance. *Brit J Nutr* 18:295-306, 1964
- Walker EA Jr  
Walker EA Jr: Hearing and related problems in childhood. *Clin Pediat (Phila)* 3:414-7, Jul 64
- Walker EE  
Walker EE: Effect of griseofulvin-methotrexate combination treatment upon Ehrlich's ascites tumor growth. *Surg Forum* 15:360-2, 1964
- Walker FW  
Walker FW: Ether-air anesthesia for small experimental animals. *J Appl Physiol* 19:827-8, Jul 64
- Walker H  
Walker H, Eagon RG: Lactic dehydrogenases of *Pseudomonas natriegens*. *J Bact* 88:26-30, Jul 64
- Walker HL  
Zaroff LI, Lowenstein E, Walker HL, Villarreal Y: Excess lactate in cyanotic dogs during hyperbaric oxygenation. *Surg Forum* 15:202-3, 1964
- Walker PD  
Batty I, Walker PD: The identification of Clostridium novyi (Clostridium oedematis) and Clostridium tetani by the use of fluorescent labelled antibodies. *J Path Bact* 88:327-8, Jul 64
- Walker PD  
Egerton JR, Walker PD: The isolation of Clostridium perfringens type C from necrotic enteritis of man in Papua-New Guinea. *J Path Bact* 88:275-8, Jul 64
- Wallace HJ  
Copeman FW, Wallace HJ: Eczema vaccinatum. *Brit Med J* 5414:906-8, 10 Oct 64
- Wallace N



# ABRIDGED INDEX MEDICUS

- Symington T, Wallace N: Hormone investigations in cases of testicular tumour. *Brit J Urol* 36:Suppl:103-6, Jun 64
- Wallace WM
- Pierce DS, Wallace WM, Herndon CH: Long-term treatment of vitamin-D resistant rickets. *J Bone Joint Surg [Amer]* 46:978-97, Jul 64
- Walls KW
- Walton BC, Walls KW: Prevalence of toxoplasmosis in wild animals from Fort Stewart, Georgia, as indicated by serological tests and mouse inoculation. *Amer J Trop Med* 13:530-3, Jul 64
- Walsh H
- Hildebrandt HJ, Walsh H, Prystowsky H: Indwelling catheter and postoperative urinary-tract infection. *Obstet Gynec* 23:686-8, May 64
- Walsh JJ
- Jacobs S, Walsh JJ, Urner CJ, Rifkin H: Tuberculosis among seamen. *Public Health Rep* 79:933-6, Oct 64
- Walsh JK
- Lipton EL, Walsh LF, Mueller WJ, Salamy BA: A respiratory alarm for infants. *J Pediatr* 65:294-6, Aug 64
- Walsh MN
- (Hess R). Walsh MN: Historical responsibility of the psychiatrist. *Arch Gen Psychiat (Chicago)* 11:355-9, Oct 64
- Walsh MP
- Walsh MP: A simple apparatus for thin-layer chromatography. *J Clin Path* 17:469, Jul 64
- Walsh RP
- Walsh RR, Webb GD: Action of surfactants on rubidium loss from frog sciatic nerves. *Amer J Physiol* 206:1422-4, Jun 64
- Walsh JM
- Walsh JM: Endogenous copper clearance in Wilson's disease: a study of the mode of action of penicillamine. *Clin Sci* 26:461-9, Jun 64
- Walter AR
- Walter AR, Gerarde HW: A rapid semiautomatic system of chemical analysis using true microspecimens. *Clin Chem* 10:509-18, Jun 64
- Walter CW
- Walter CW: Anesthetic explosions: a continuing threat. *Anesthesiology* 25:505-14, Jul-Aug 64
- Walter RD
- Crandall PH, Walter RD, Rand RW: Clinical applications of studies on stereotactically implanted electrodes in temporal-lobe epilepsy. *J Neurosurg* 20:827-40, Oct 63
- Walters G
- Wood WA, Walters G, Flavell Matts SG: Urinary excretion of prednisolone after intrarectal therapy in ulcerative colitis. *Brit Med J* 5416:1045-6, 24 Oct 64
- Walters G
- Kelleher J, Walters G, Robinson R, Smith P: Chemical tests for pheochromocytoma. *J Clin Path* 17:399-404, Jul 64
- Walters M
- Ball JK, Field WE, Roe FJ, Walters M: The carcinogenic and co-carcinogenic effects of paraffin wax pellets and glass beads in the mouse bladder. *Brit J Urol* 36:225-37, Jun 64
- Walters MA
- Walters MA, Roe FJ: The effect of dietary casein on the induction of lung tumours by the injection of 9,10-dimethyl-1,2-benzanthracene (DMBA) into newborn mice. *Brit J Cancer* 18:312-8, Jun 64
- Walters MN
- Walters MN: Studies on the exocrine pancreas. I. Nonspecific pancreatic ductular ectasia. *Amer J Path* 44:973-81, Jun 64
- Walton BC
- Walton BC, Walls KW: Prevalence of toxoplasmosis in wild animals from Fort Stewart, Georgia, as indicated by serological tests and mouse inoculation. *Amer J Trop Med* 13:530-3, Jul 64
- Walton JN
- Pearce JM, Gubbay SS, Hardy J, Pennington RJ, Newell DJ, Walton JN: Laevodopa in treatment of Duchenne type of muscular dystrophy: preliminary results of a double-blind controlled trial. *Brit Med J* 5414:915-7, 10 Oct 64
- Walton TT Jr
- Walton TT Jr: Scleredema adultorum. Buschke's Disease. *Southern Med J* 57:1364 passim 1364, Nov 64
- Waltuch TL
- Liem DS, Waltuch TL, Eismann B: Function of the ex-vivo pig liver perfused with human blood. *Surg Forum* 15:90-1, 1964
- Wang DY
- Bulbrook RD, Deshpande N, Ellis FG, Hayward JL, Parker J, Thomas BS, Wang DY: Androgens in human breast cancer. *Proc Roy Soc Med* 57:523-5, Jun 64
- Wannemacher RW Jr
- Yatvin MB, Wannemacher RW Jr, Banks WL Jr: Effects of thiouracil and of thyrotoxicity of liver protein metabolism. *Endocrinology* 74:878-84, Jun 64
- Wanner J
- Wanner J: Sauerstoffüberdruckkammer für neugeborene. *Deutsches Med Wschr* 89:1757-9, 11 Sep 64 (Ger)
- Ward AA Jr
- Ward AA Jr, Stern J: Thalamic inhibition of the myotatic reflex in man. *J Neurosurg* 20:1033-9, Dec 63
- Ward AA Jr
- Stern J, Ward AA Jr: The relationship of the alpha and gamma motor systems to the efficacy of the surgical therapy of parkinsonism. *J Neurosurg* 20:185-7, Mar 63
- Ward JS
- Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rahn MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Ward PH
- Ward PH, Wepman JM: Pharyngeal implants for reduction of air space in velopharyngeal insufficiency. I. An experimental study. *Ann Otol* 73:443-57, Jun 64
- Ward R
- Ward R, Durgé NG, Arya J, Baqal M: Myocardial toxoplasmosis. *Lancet* 2:723-5, 3 Oct 64
- Ward TG
- Freeman AE, Ward TG, Wolford RG: A simplified method for the cloning of heteroploid and diploid mammalian cells. *Proc Soc Exp Biol Med* 116:339-43, Jun 64
- Warden HE
- Tarnay TJ, Warden HE: Isolated annulus: a method for the evaluation of intracardiac prosthetic thrombosis. *Surg Forum* 15:268-9, 1964
- Waring TL
- Anderson LD, Hamsa WR Jr, Waring TL: Femoral-head prostheses. A review of three hundred and fifty-six operations and their results. *J Bone Joint Surg [Amer]* 46:1049-65, Jul 64
- Warnick M
- Punyel SM, Barfatani M, Warnick M, Sternberg TH: Study of antibody levels to *Corynebacterium* acnes. In the serum of patients with acne vulgaris, using bacterial agglutination, agar gel immunodiffusion, and immunofluorescence techniques. *Arch Derm (Chicago)* 90:421-7, Oct 64
- Warrack GH
- Sterne M, Warrack GH: The types of *Clostridium* perfringens. *J Path Bact* 88:279-83, Jul 64
- Warren GH
- Warren GH: New penicillins. *Brit Med J* 5414:940-1, 10 Oct 64
- Warren GH
- Warren GH, Gray J: Production of a polysaccharide by *Staphylococcus aureus*. 3. Action of penicillins and polysaccharides on enzymic lysis. *Proc Soc Exp Biol Med* 116:317-23, Jun 64
- Warren HW
- Horn MJ, Warren HW: Availability of amino acids to microorganisms. IV. Comparison of hydrolysates of lactalbumin, oatmeal and peanut butter with simulated amino acid mixtures by growth response of microorganisms. *J Nutr* 83:267-72, Jul 64
- Warren JC
- Roberts JD, Warren JC: Steroid biosynthesis in the fetal ovary. *Endocrinology* 74:846-52, Jun 64
- Warren JC
- Warren JC, Timberlake CE: Biosynthesis of estrogens in pregnancy: precursor role of plasma dehydroisoandrosterone. *Obstet Gynec* 23:689-98, May 64
- Warren KS
- Warren KS, Rebouças G: Blood ammonia during bleeding from esophageal varices in patients with hepatosplenic schistosomiasis. *New Eng J Med* 271:921-6, 29 Oct 64
- Warren KW
- Nugent FW, Warren KW, Jonasson H, Garcia De Paredes G: Early experience with trasylol in the treatment of acute pancreatitis. *Southern Med J* 57:1317-21, Nov 64
- Warren WD
- Sitnick JL, Warren WD, Klein MR: The evaluation of sphincter of Oddi function. *Surg Forum* 15:373-5, 1964
- Wase A
- Podolsky S, Wase A, Cardenas J: Treatment of experimental ascites tumors with crystalline ribonuclease. *Curr Ther Res* 6:387-93, May 64
- Washington E
- Platt BS, Gray PG, Parr E, Baines AH, Clayton S, Hobson EA, Hollingsworth DF, Berry WT, Washington E: The food purchases of elderly women living alone: a statistical inconsistency and its investigation. *Brit J Nutr* 18:413-29, 1964
- Wasserman K
- Naimark A, Wasserman K, McIlroy MB: Continuous measurement of ventilatory exchange ratio during exercise. *J Appl Physiol* 19:644-52, Jul 64
- Wasson G
- Brodie JD, Wasson G, Porter JW: Enzyme-bound intermediates in the biosynthesis of mevalonic and palmitic acids. *J Biol Chem* 239:1346-56, May 64
- Watanabe S
- (Amano S). Watanabe S, Dameshek W: Professor Shigeo Amano, 1903-1964. *Blood* 24:93-5, Jul 64
- Watanabe S
- Watanabe S: [Relationship between lung function and the lung field as measured by chest x-ray in 3 phases of respiration in normal young and old subjects and patients with chronic pulmonary emphysema. 2. Aged subjects and patients with chronic pulmonary emphysema] *Jap Circ J* 28:693-703, Sep 64 (Jap)
- Watanabe S
- Watanabe S: [Relationship between lung function and the lung field as measured by chest x-ray in 3 phases of respiration in normal young and old subjects and patients with chronic pulmonary emphysema. 1. Normal young subjects] *Jap Circ J* 28:685-92, Sep 64 (Jap)
- Waters ES
- Waters ES: Permanent plastic mounts of nervous tissue after differential gross staining. *Amer J Clin Path* 42:114-7, Jul 64
- Waters P
- Hutchinson HE, Pinkerton PH, Waters P, Lehmann H, Beale D, Douglas AS: Hereditary Heinz-body anaemia, thrombocytopenia, and haemoglobinopathy (Hb Köln) in a Glasgow family. *Brit Med J* 5417:1099-103, 31 Oct 64
- Watkins GL
- Watkins GL: Bone formation in abdominal scars after xiphoidectomy. *Arch Surg (Chicago)* 89:731-4, Oct 64
- Watkins HM
- Deig EF, Watkins HM: Plaque assay procedure for Colorado tick fever virus. *J Bact* 88:43-7, Jul 64
- Watnick AS
- Watnick AS, Gibson J, Vinegra M, Toksdorf S: Ethynyl estradiol: a potent orally active contraceptive in rats. *Proc Soc Exp Biol Med* 116:343-7, Jun 64
- Watson CJ
- Berendsohn S, Lowman J, Sundberg D, Watson CJ: Idiopathic dyserythropoietic jaundice. *Blood* 24:1-18, Jul 64
- Watson CJ
- Watson CJ, Taddei L, Bossenmaier I: Present status of the ehrlich Aldehyde reaction for urinary porphobilinogen. *JAMA* 190:501-4, 9 Nov 64
- Watson D
- Watson D: Estimation of plasma protein. *Amer Heart J* 68:137-8, Jul 64
- Watson D
- Watson D: Limitations in clinical use of a screening test for protein. *Clin Chem* 10:559-62, Jun 64
- Watson D
- Watson D: Modern methods for determining cerebrospinal fluid protein. *Clin Chem* 10:412-6, May 64
- Watson DW
- Willoughby DS, Ginzburg Y, Watson DW: Host-parasite relationships among group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. *J Bact* 87:1452-6, Jun 64
- Watson DW
- Willoughby DS, Watson DW: Host-parasite relationships among group A streptococci. II. Influence of sex on the susceptibility of inbred mice toward streptococcal infection. *J Bact* 87:1457-61, Jun 64
- Watson DW
- Willoughby DS, Ginzburg Y, Watson DW: Host-parasite relationships among group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. *J Bact* 87:1452-6, Jun 64
- Watson H
- Watson H: Intrinscoid atrial P-wave deflections in unipolar intracardiac electrograms. *Amer Heart J* 68:3-11, Jul 64
- Watson H
- Watson H: Severe pulmonary hypertensive episodes following angiocardiography with sodium metrizoate. *Lancet* 2:732-3, 3 Oct 64
- Watson PG
- Watson PG: Anaphylactic reaction caused by intramuscular injection of lyophilized alpha-chymotrypsin. *Brit J Ophthalmol* 48:35-8, Jan 64
- Watt J
- Watt J, Marcus R: The pathology of diverticulosis of the antimesenteric interarea area of the pelvic colon. *J Path Bact* 88:97-105, Jul 64
- Watt N
- Ambuel JP, Cebulla J, Watt N, Crowne DP: Urgency as a factor in clinic attendance. *Amer J Dis Child* 108:394-8, Oct 64
- Watts DT
- Darby TD, Watts DT: Acidosis and blood epinephrine levels in hemorrhagic hypotension. *Amer J Physiol* 206:1281-4, Jun 64
- Wauw J
- Wauw J, Stevens W: Respiratory gas studies with ether convulsion. *Anesthesiology* 25:580-1, Jul-Aug 64
- Wax SH
- Wax SH, al-Hussaini M, McDonald DF: Effect of angiotensin on the iodine 131 sodium O-iodohippurate renogram in hypertensive patients. *Surg Forum* 15:486-9, 1964
- Wayne LG
- Wayne LG: The mycobacterial mystique: deterrent to taxonomy. *Amer Rev Resp Dis* 90:255-7, Aug 64
- Ways P
- Ways P, Simon ER: The role of serum in acanthocyte autohemolysis and membrane lipid composition. *J Clin Invest* 43:1322-8, Jul 64
- Ways P
- Simon ER, Ways P: Incubation hemolysis and red cell metabolism in acanthocytosis. *J Clin Invest* 43:1311-21, Jul 64
- Weaver DF
- Weaver DF, Young DJ: Retropharyngeal hemorrhage from the carotid arteries. *Ann Otol* 73:541-54, Jun 64
- Weber GD
- Walsh RR, Webb GD: Action of surfactants on rubidium loss from frog sciatic nerves. *Amer J Physiol* 206:1422-4, Jun 64
- Webb PA
- Webb PA, Johnson KM, Mufson MA: A description of two newly-recognized rhinoviruses of human origin. *Proc Soc Exp Biol Med* 116:845-52, Jul 64
- Webb WB
- Agnew HW Jr, Webb WB, Williams RL: The effects of stage four sleep deprivation. *Electroenceph Clin Neurophysiol* 17:68-70, Jul 64
- Webb WR
- Campbell GD, Webb WR: Eosinophilic pleural effusion: a review with the presentation of seven new cases. *Amer Rev Resp Dis* 90:194-201, Aug 64
- Webb WR
- Campbell GD, Webb WR: Eosinophilic pleural effusion: a review with the presentation of seven new cases. *Amer Rev Resp Dis* 90:194-201, Aug 64
- Webb WR
- Unal M, Webb WR, Aslami A: Metabolic responses to various vasoactive and cardiotoxic agents in hypovolemia. *Surg Forum* 15:25-7, 1964
- Weber B
- Wertheimer P, Froment R, Descotes J, Site J, Weber B: Exiguë artérielle constitutionnelle: facteur probable de thrombo-arteriose du type Buerger. *Presse Med* 72:2259-64, 23 Sep 64 (Fr)
- Weber G
- Weber G, Young LB: Fragmentation of bovine serum albumin by pepsin. I. The origin of the acid expansion of the albumin molecule. *J Biol Chem* 239:1415-23, May 64
- Weber G
- Weber G, Young LB: Fragmentation of bovine serum albumin by pepsin. II. Isolation, amino acid



# ABRIDGED INDEX MEDICUS

- composition, and physical properties of the fragments. *J Biol Chem* 239:1424-31, May 64
- Webster HD**  
Duncan GW, Lyster SC, Hendrix JW, Clark JJ, Webster HD: Biologic effects of melengestrol acetate. *Fertil Steril* 15:416-32, Jul-Aug 64
- Weed SD**  
Underwood GE, Wisner CA, Weed SD: Cytosine arabinoside (CA) and other nucleosides in herpes virus infections. *Arch Ophthalmol* (Chicago) 72:505-12, Oct 64
- Weibel J**  
Weibel J, Fields WS: Direct percutaneous intraclavicular catheterization of the subclavian artery. *J Neurosurg* 20:233-7, Mar 63
- Weidans WP**  
Weidans WP, Jackson AL, Landy M: Some aspects of the antibody response of rabbits to immunization with enterobacterial somatic antigens. *Proc Soc Exp Biol Med* 116:832-7, Jul 64
- Weisensberg BI**  
Weisensberg BI, McMillan GC: Serum and aortic lipids in rabbits fed cholesterol and linoleic acid stereoisomers. *J Nutr* 83:314-24, Aug 64
- Weil AC**  
Bornside GH, Merritt CB, Weil AC: Reversal by ferric iron of serum inhibition of respiration and growth of *Bacillus subtilis*. *J Bact* 87:1443-51, Jun 64
- Weilbacher DG**  
Ferrans VJ, Hibbs RG, Black WC, Weilbacher DG: Isoproterenol-induced myocardial necrosis. A histochemical and electron microscopic study. *Amer Heart J* 68:71-90, Jul 64
- Weill J**  
(Weill-Halle B), Weill J: Hommage à Benjamin Weill-Halle pour le 40<sup>ème</sup> anniversaire de la vaccination par le BCG. *Presse Med* 72:2420-1, 3 Oct 64 (Fr)
- (Weill-Halle B)  
(Weill-Halle B), Weill J: Hommage à Benjamin Weill-Halle pour le 40<sup>ème</sup> anniversaire de la vaccination par le BCG. *Presse Med* 72:2420-1, 3 Oct 64 (Fr)
- Weimer HE**  
Weimer HE, Miller JN, Meyers RL, Baxter D, Roberts DM, Godfrey JF, Carpenter CM: The effects of tumor growth, nutritional stress, and inflammation on serum complement levels in the rat. *Cancer Res* 24:847-54, Jun 64
- Weinberg T**  
Monis B, Weinberg T: Aminopeptidase activity in myocardial infarction of man. A histochemical study. *Amer J Pathol* 44:867-76, Jun 64
- Weingarten CM**  
Bierman RP, Weingarten CM: Diabetic acidosis secondary to steroid therapy. *New Eng J Med* 271:836, 15 Oct 64
- Weinstein BJ**  
Ostrander LD Jr, Weinstein BJ: Electrocardiographic changes after glucose ingestion. *Circulation* 30:67-76, Jul 64
- Weinstein L**  
Chang TW, Weinstein L: Photosensitization of human cell cultures by demethylchlorotetracycline. *Proc Soc Exp Biol Med* 116:509-12, Jun 64
- Weintraub LR**  
Weintraub LR, Conrad ME, Crosby WH: The significance of iron turnover in the control of iron absorption. *Blood* 24:19-24, Jul 64
- Weir IB**  
Weir IB, Jamieson WM, Green DM: Poliomyelitis in Dundee, 1962. *Brit Med J* 5413:853-7, 3 Oct 64
- Weiser RS**  
Chambers VC, Weiser RS: An electron microscope study of sarcoma I in a homologous host. I. The cells of the growing tumor. *Cancer Res* 24:693-708, May 64
- Weiser RS**  
Milner JE, Evans CA, Weiser RS: Immunity and the treatment of cancer. *Lancet* 2:816-7, 10 Oct 64
- Weisfeldt ML**  
Daggett WM, Weisfeldt ML, Sarnoff SJ: Cardiac dynamics and contractility after acetyl strophanthidin in the closed chest dog. *Surg Forum* 15:251-3, 1964
- Weiss B**  
Weiss B, Laties VG: Effects of amphetamine, chlorpromazine, pentobarbital, and ethanol on operant response duration. *J Pharmacol Exp Ther* 144:17-23, Apr 64
- Weiss DW**  
Weiss DW, Faulkin LJ Jr, De Ome KB: Acquisition of heightened resistance and susceptibility to spontaneous mouse mammary carcinomas in the original host. *Cancer Res* 24:732-41, May 64
- Weiss W**  
Weiss W, Weiss WA: Effect of tobacco smoke solutions on *Paramecium*. *Arch Environ Health* (Chicago) 9:500-4, Oct 64
- Weiss WA**  
Weiss W, Weiss WA: Effect of tobacco smoke solutions on *Paramecium*. *Arch Environ Health* (Chicago) 9:500-4, Oct 64
- Weissberg D**  
Weissberg D, Goetz RH: Tissue reactions to methyl 2-cyanoacrylate (Eastman 910 monomer). *Surg Forum* 15:226-7, 1964
- Weissman SM**  
Bono VH Jr, Weissman SM, Frei E 3d: The effect of 6-azauridine administration on de novo pyrimidine production in chronic myelogenous leukemia. *J Clin Invest* 43:1486-94, Jul 64
- Welch CE**  
Rytel MW, Conner GH, Welch CC, Kraybill WH, Edwards EA, Rosenbaum MJ, Frank PF, Miller LF: Infectious agents associated with cylindrical bronchiectasis. *Dis Chest* 46:23-8, Jul 64
- Welch CE**  
Welch CE: Abdominal surgery. *New Eng J Med* 271:943-8 concl, 29 Oct 64
- Welch CE**  
Welch CE: Abdominal surgery. *New Eng J Med* 271:829-33 contd, 15 Oct 64
- Welch CE**  
Welch CE: Abdominal surgery. *New Eng J Med* 271:885-90 contd, 22 Oct 64
- Weldon CS**  
Weldon CS: Spleen cytology during homograft rejection. *Surg Forum* 15:152-4, 1964
- Weilband WA**  
Weilband WA, Domm LV: Effect of cortisone, amputation, and food restriction on growth of rat maxillary incisors. *Proc Soc Exp Biol Med* 116:718-20, Jul 64
- Welling P**  
Kienitz M, Welling P: Staphylokokken im Neugeborenenzimmer. *Deutsch Med Wschr* 89:1744-51, 11 Sep 64 (Ger)
- Wells A**  
Wells A: Axial transverse tomography. *Radiography* 30:175-80, Jul 64
- Wells J**  
Hyman GA, Wells J: Bronchial carcinoid with osteoblastic metastases. Cases with carcinoid syndrome. *Arch Intern Med* (Chicago) 114:541-6, Oct 64
- Welty JD**  
Welty JD, Read WO: Studies on some cardiac effect of taurine. *J Pharmacol Exp Ther* 144:110-5, Apr 64
- Wentworth P**  
Wentworth P: A placental lesion to account for foetal haemorrhage into the maternal circulation. *J Obstet Gynaec Brit Comm* 71:379-87, Jun 64
- Wenzel FJ**  
Holthusen GG, Wenzel FJ, Kipp MA: Electronic enumeration of erythrocytes. *Amer J Clin Pathol* 42:118-20, Jul 64
- Wenzel FJ**  
Wenzel FJ, Epstein S: Cross-sensitivity between streptomycin and dihydrostreptomycin. *J Invest Derm* 43:99-101, Aug 64
- Wepman JM**  
Ward PH, Wepman JM: Pharyngeal implants for reduction of air space in velopharyngeal insufficiency. I. An experimental study. *Ann Otol* 73:443-57, Jun 64
- Werch SC**  
Werch SC: Private hospitals and graduate medical education. *J Amer Geriatr Soc* 12:749-55, Aug 64
- Wergedal JE**  
Wergedal JE, Harper AE: Metabolic adaptations in higher animals. 10. Glutamic dehydrogenase activity of rats consuming high protein diets. *Proc Soc Exp Biol Med* 116:600-4, Jul 64
- Werko L**  
Werko L, Paulin S, Cramer K: The use of coronary angiography in clinical investigation. *Proc Roy Soc Med* 57:664-7, Aug 64
- Werly EF**  
Werly EF, Bauman EK: Production of submicronic powder by spray-freezing. *Arch Environ Health* (Chicago) 9:567-71, Nov 64
- Werner HJ**  
Werner HJ, Jolly HW Jr, Lee JH: Electron microscopic observations of Epidermophyton floccosum. *J Invest Derm* 43:139-43, Aug 64
- Werner SC**  
Werner SC, Relland JY, Csavossy I, Tierney J: Studies with mouse pituitary thyrotropic tumors. 8. *Endocrinology* 75:66-77, Jul 64
- Werner SC**  
Sherman WB, Werner SC: Generalized allergic reaction to bovine thyrotropin. *JAMA* 190:244-5, 19 Sep 64
- Wertheimer P**  
Wertheimer P, Froment R, Descotes J, Site J, Weber B: Exiguité artérielle constitutionnelle: facteur probable de thrombo-artériose du type Buerger. *Presse Med* 72:2259-64, 23 Sep 64 (Fr)
- Wessler S**  
Thomas D, Stein M, Tanabe G, Rege V, Wessler S: Mechanism of bronchoconstriction produced by thromboemboli in dogs. *Amer J Physiol* 206:1207-12, Jun 64
- Wesson LG Jr**  
Letteri JM, Wesson LG Jr: Mercaptomerin effect on p-aminohippurate transport in man and pentobarbitalized dog. *Amer J Physiol* 206:1379-83, Jun 64
- West I**  
West I: Pesticides as contaminants. *Arch Environ Health* (Chicago) 9:626-33, Nov 64
- West JB**  
West JB, Dollery CT, Naimark A: Distribution of blood flow in isolated lung; relation to vascular and alveolar pressures. *J Appl Physiol* 19:713-24, Jul 64
- Westerfeld WW**  
Westerfeld WW, Richert DA, Ruegamer WR: Thyroxine and antithyroid effects in the chick. *J Nutr* 83:325-31, Aug 64
- Westerfeld WW**  
Richert DA, Schenkman J, Westerfeld WW: An antithyroid assay based upon the response of rat liver alpha-glycero-phosphate dehydrogenase. *J Nutr* 83:332-42, Aug 64
- Westerheide RL**  
Niederhuber JE, Howe CT, Westerheide RL, Elliot DW: Influence of gastric freezing on antral function. *Surg Forum* 15:323-5, 1964
- Westerheide RL**  
Westerheide RL, Howe CT, Elliott DW: Antral and pancreatic stimulation of gastric hypersecretion. *Surg Forum* 15:369-71, 1964
- Western F**  
Western F: Developing radiation protection standards. The role of the Atomic Energy Commission. *Arch Environ Health* (Chicago) 9:654-8, Nov 64
- Westhoff MH**  
Block WD, Markovs ME, Westhoff MH: Excretion of 1- and 3-methylhistidine by human subjects after oral administration of L-histidine. *Proc Soc Exp Biol Med* 116:736-8, Jul 64
- Wetherhold JM**  
Wuertz RL, Frazee WH Jr, Hume WG, Linch AL, Wetherhold JM: Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. *Arch Environ Health* (Chicago) 9:478-91, Oct 64
- Wetzel N**  
Brumlik J, Wetzel N, Potter G, Petrovick M: Quantitative criteria for the neurosurgical treatment of parkinsonism. *J Neurosurg* 20:21-33, Jan 63
- Wetzig PC**  
Wetzig PC, Worlton JT: Treatment of diabetic retinopathy by light-coagulation: a preliminary study. *Brit J Ophthalmol* 47:539-41, Sep 63
- Wexler D**  
Mendelson JH, Wexler D, Kubzansky PE, Harrison R, Lesherman G, Solomon P: Physicians' attitudes toward alcoholic patients. *Arch Gen Psychiat* (Chicago) 11:392-9, Oct 64
- Whalen RE**  
McIntosh HD, Whalen RE, Barry WF Jr: The role of cinefluorography in clinical cardiology: present and future. *Amer Heart J* 68:12-8, Jul 64
- Wheatley A**  
Abrahams C, Wheatley A, Rubenstein AH, Stables D: Hepatocellular lipofuscin after excessive ingestion of analgesics. *Lancet* 2:621-2, 19 Sep 64
- Wheby MS**  
Wheby MS, Jones LG, Crosby WH: Studies on iron absorption. Intestinal regulatory mechanisms. *J Clin Invest* 43:1433-42, Jul 64
- Wheeler CE Jr**  
Albright SD 3d, Wheeler CE Jr: Leukonychia. Total and partial leukonychia in a single family with a review of the literature. *Arch Derm* (Chicago) 90:392-9, Oct 64
- Wheeler EC**  
Wheeler EC, Baker HL Jr: The ophthalmic arterial complex in angiographic diagnosis. *Radiology* 83:26-35, Jul 64
- Wheeler JS**  
Wheeler JS, Adelson WJ: Pituitary diabetes insipidus associated with progressive urinary tract dilatation. *J Urol* 92:64-7, Jul 64
- Wheeler RE**  
Hayes RO, Daniels JB, Maxfield HK, Wheeler RE: Field and laboratory studies on eastern encephalitis in warm- and cold-blooded vertebrates. *Amer J Trop Med* 13:595-606, Jul 64
- Whicelow MJ**  
Butterfield WJ, Whicelow MJ: Are thyroid hormones diabetogenic? A study of peripheral glucose metabolism during glucose infusions in normal subjects and hyperthyroid patients before and after treatment. *Metabolism* 13:620-8, Jul 64
- Whiffen JD**  
Whiffen JD, Gott VL: Effect of various surface active agents on heparin binding and clot formation on graphite surfaces. *Proc Soc Exp Biol Med* 116:314-7, Jun 64
- Whiffen JD**  
Whiffen JD, Boake WC, Gott VL: Non-suture thrombus resistant vascular anastomosis rings for organ transplantation. *Surg Forum* 15:218-9, 1964
- Whimster WF**  
Holman CA, Smith AJ, Whimster WF, Beale D, Lehmann H: Hemoglobin J-Baltimore in a Kent family. *Brit Med J* 5414:921-2, 10 Oct 64
- Whitby LG**  
Whitby LG: Automation in clinical chemistry, with special reference to the autoanalyzer. *Brit Med J* 5414:895-9, 10 Oct 64
- White C**  
White C, Wyshak G: Inheritance in human dizygotic twinning. *New Eng J Med* 271:1003-5, 5 Nov 64
- White DC**  
White DC, Leidy G, Jamieson JD, Shope RE: Porcine contagious pleuropneumonia. 3. Interrelationship of Hemophilus pleuropneumoniae to other species of Hemophilus: nutritional, metabolic, transformation, and electron microscopy studies. *J Exp Med* 120:1-12, 1 Jul 64
- White EC**  
McBride CM, Healey JE Jr, Butler JJ, White EC: Use of collagen cloth for repair of tissue defects. *Surg Forum* 15:70-1, 1964
- White LE Jr**  
Loop JW, White LE Jr, Shaw CM: Traumatic occlusion of the basilar artery within a clivus fracture. *Radiology* 83:36-40, Jul 64
- White RJ**  
White RJ, Buegler MT, Verdura J: Cerebral angiography in the monkey by retrograde brachial injection. *J Neurosurg* 20:406-9, May 63
- White RJ**  
Brown HW, White RJ, Albin MS, Verdura J: Profound selective cerebral hypothermia in dogs by naso-oral perfusion and head immersion. *Surg Forum* 15:413-5, 1964
- White RJ**  
White RJ, Verdura J: The clinical implication of cerebral angiography in the monkey. *Vasc Dis* 1:29-33, Jan 64
- White RL**  
White RL: The AMA looks at environmental health. *Arch Environ Health* (Chicago) 9:589-91, Nov 64
- Whitehead RW**  
Whitehead RW, Davies JM: A study of methylphenidate and diazepam as possible smoking deterrents. *Curr Ther Res* 6:363-7, May 64
- Whiteley HJ**  
Whiteley HJ, Horton DL: A spontaneous transplantable ovarian tumour of the CBA mouse. *Brit J Cancer* 18:252-4, Jun 64
- Whitesides TE**  
Stamp WG, Whitesides TE, Field MH, Scheer GE: Treatment of vitamin-D resistant rickets. A long-term evaluation of its effectiveness. *J Bone Joint Surg [Amer]* 46:965-77, Jul 64
- Whitfield AG**



# ABRIDGED INDEX MEDICUS

- Whitfield AG, Bateman M, Cooke WT: Temporal arteritis. *Brit J Ophthal* 47:555-66, Sep 63
- Whitting JC  
Cummins (F, Biggs WW, Whitting JC: The first half-million miles. *Med J Aust* 2:348-52, 20 Aug 64
- Whitting M  
Whitting M: Congenital dislocation of the lens. *Brit J Ophthal* 47:54-6, Jan 63
- Whittenberger JL  
Whittenberger JL: Role of schools of public health. *New Eng J Med* 271:774-5, 8 Oct 64
- (Whittick JW)  
(Whittick JW): John William Whittick, 16 June 1914-18 April 1963. *J Path Bact* 88:369-74, Jul 64
- Whittington RM  
Kaung DT, Whittington RM, Patno ME: Chemotherapy of chronic lymphocytic leukemia. *Arch Intern Med (Chicago)* 114:521-4, Oct 64
- Wickstrom J  
Haslam ET, Wickstrom J: Orthopedic reconstructive procedures in the lower extremity in adults with acquired spastic paralysis. *Southern Med J* 57:1322-5, Nov 64
- Widdowson EM  
Davies JS, Widdowson EM, McCance RA: The intake of milk and the retention of its constituents while the newborn rabbit doubles its weight. *Brit J Nutr* 18:385-92, 1964
- Widdowson EM  
Widdowson EM, Harrison GE: Babies' intake of strontium. *Lancet* 2:753-4, 3 Oct 64
- Widdowson G  
Cumming G, Dukes DC, Widdowson G: Alkaline diuresis in treatment of aspirin poisoning. *Brit Med J* 54:16:1033-6, 24 Oct 64
- Wide L  
Wide L, Hobson B: New method for diagnosis of hydatidiform mole. *Lancet* 2:699, 20 Sep 64
- Widgren S  
Ferrier P, Widgren S, Ferrier S: Nonspecific pseudohemaphroditism: report of two cases with cytogenetic investigations. *Helv Paediat Acta* 19:1-12, Jun 64
- Widra A  
Cantrell HF, Widra A: Experimental candidiasis in cortisone-treated mice. *J Bact* 87:1532, Jun 64
- Wiebenga NH  
Wiebenga NH, Shelokov A, Gibbs CJ Jr, Mackenzie RB: Epidemic hemorrhagic fever in Bolivia. II. Demonstration of complement-fixing antibody in patients' sera with junin virus antigen. *Amer J Trop Med* 13:626-8, Jul 64
- Wiederhielm CA  
Wiederhielm CA, Woodbury JW, Kirk S, Rushmer RF: Pulsatile pressures in the microcirculation of frog's mesentery. *Amer J Physiol* 207:173-6, Jul 64
- Wiedermann G  
Wiedermann G, Ovary Z, Miescher PA: Influence of mercaptoethanol treatment on skin sensitizing and complement binding ability of 7 S anti-dinitrophenol-bovine gamma globulin antibody. *Proc Soc Exp Biol Med* 116:448-52, Jun 64
- Wiedermann HR  
Wiedermann HR, Gerken H: Gaucher cells in healthy relatives of patients with Gaucher's disease. *Lancet* 2:866, 17 Oct 64
- Wiegand EH  
Navakar RG, Wiegand EH, Smith DW: Relationship of mycoside content and colony morphology for group 2 and group 3 unclassified mycobacteria. *J Bact* 88:255-9, Jul 64
- Wiener J  
Mackey EA, Spiro D, Wiener J: A study of chromatolysis in dorsal root ganglia at the cellular level. *J Neuropath Exp Neurol* 23:508-20, Jul 64
- Wiese HF  
Hansen AE, Wiese HF, Adam DJ, Boelsche AN, Haggard ME, Davis H, Newsum WT, Pesut L: Influence of diet on blood serum lipids in pregnant women and newborn infants. *Amer J Clin Nutr* 15:11-9, Jul 64
- Wieth JO  
Wieth JO, Funder J, Brun C: Dialyzable poisons: in vitro efficacy of a modified Skeggs-Leonards hemodialyzer with a comparison to clinical results. *J Lab Clin Med* 64:60-71, Jul 64
- Wigglesworth JS  
Wigglesworth JS: Experimental growth retardation in the foetal rat. *J Path Bact* 88:1-13, Jul 64
- Wightman J  
Clouting FC, Wightman J: Code for drugs. *Brit Med J* 54:16:1073, 24 Oct 64
- Wigle ED  
Peckham GB, Chrysoskou A, Aldridge HE, Wigle ED: Combined percutaneous retrograde aortic and transapical left heart catheterization. *Brit Heart J* 26:460-8, Jul 64
- Wijewanta EA  
Wijewanta EA: Heat-resistant clostridium welchii in Ceylon soils. *J Path Bact* 88:339-42, Jul 64
- Wikler A  
Martin WR, Eades CG, Fraser HF, Wikler A: Use of hindlimb reflexes of the chronic spinal dog for comparing analgesics. *J Pharmacol Exp Ther* 144:8-11, Apr 64
- Wilbar CL Jr  
Wilbar CL Jr: Relation of water pollution to health. *Arch Environ Health (Chicago)* 9:664-7, Nov 64
- Wilde CE  
Bagshaw KD, Wilde CE: Infusion therapy for pelvic trophoblastic tumours. *J Obstet Gynaec Brit Comm* 71:565-70, Aug 64
- Wilder RJ  
Wilder RJ, Jude JR, Kouwenhoven WB, McMahon MC: Of 153 attempted-cardiopulmonary resuscitations by trained ambulance personnel—no fatal injuries were produced. *JAMA* 190:531-4, 9 Nov 64
- Wilkins JA  
Wilkins JA, Sapeika N: Effect of adrenaline on serum lipid stability in rabbits. *J Atheroscler Res* 4:346-50, Jul-Aug 64
- Wilkins RH  
(Dandy WE), (Blackfan KD), Wilkins RH: Neurosurgical classic. XX. *J Neurosurg* 21:588-635, Jul 64
- Wilkins RH  
Wilkins RH: Neurosurgical classic. X. *J Neurosurg* 20:721-7, Aug 63
- Wilkins RH  
Wilkins RH: Neurosurgical classic. XIV. *J Neurosurg* 20:1090-9, Dec 63
- Wilkins RH  
Wilkins RH: Neurosurgical classic—XXII. *J Neurosurg* 21:724-33, Aug 64
- Wilkins RH  
Wilkins RH: Neurosurgical classic. XI. *J Neurosurg* 20:814-24, Sep 63
- Wilkins RH  
Wilkins RH: Neurosurgical classic. 13. *J Neurosurg* 20:1009-22, Nov 63
- Wilkins RH  
Wilkins RH: Neurosurgical classic. XII. *J Neurosurg* 20:904-16, Oct 63
- Wilkins RH  
Wilkins RH: Neurosurgical classics. VI. *J Neurosurg* 20:366-9 concl, Apr 63
- Wilkins RH  
Wilkins RH: Neurosurgical classic. V. *J Neurosurg* 20:287-70 contd, Mar 63
- Wilkins RH  
Wilkins RH: Neurosurgical classic. VIII. *J Neurosurg* 20:531-6, Jun 63
- Wilkins RH  
Wilkins RH, Horsley V, Cushing H: Neurosurgical classics—XXI. *J Neurosurg* 21:713-23, Aug 64
- Wilkins RH  
Wilkins RH: Neurosurgical classic. VII. *J Neurosurg* 20:450-8, May 63
- Wilkinson PC  
Dodd BE, Wilkinson PC: A study of the distribution of incomplete rhesus antibodies among the serum immunoglobulin fractions. *J Exp Med* 120:45-55, 1 Jul 64
- Williams AW  
Williams AW, Mackenzie GJ, Davies SH, Wade JD: The healing of right ventricular incisions. *J Path Bact* 88:197-201, Jul 64
- Williams B  
Williams B: Paraldehyde in the treatment of eclampsia. *J Obstet Gynaec Brit Comm* 71:621-3, Aug 64
- Williams B  
Williams B, Abrams LD: A low-efficiency disposable heat exchanger. *Lancet* 2:736-7, 3 Oct 64
- Williams CG  
Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Van Radden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Williams CG  
Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Van Radden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Williams DL  
Moore JH, Williams DL: The relationship between diet, plasma lipid composition and aortic atherosclerosis in rabbits. *Brit J Nutr* 18:431-48, 1964
- Williams DW  
Zelenik JS, Halpern AJ, Williams DW: Treatment of neoplastic effusions with chlorambucil. *Obstet Gynec* 23:703-7, May 64
- Williams EA  
Williams EA: Congenital absence of the vagina: a simple operation for its relief. *J Obstet Gynaec Brit Comm* 71:511-2, Aug 64
- Williams G  
Williams G: Amyloidosis in parabiotic mice. *J Path Bact* 88:35-41, Jul 64
- Williams GA  
Williams GA, Henderson WJ, Bowser EN: Amino acid transport by rat parathyroid glands in vivo: effect of low calcium diet. *Proc Soc Exp Biol Med* 116:651-3, Jul 64
- Williams GH  
Guilford FR, Williams GH, Halpert B: Tympanic perforation closure with autogenous fresh vein; experimental study in dogs. *Arch Otolaryng (Chicago)* 80:398-401, Oct 64
- Williams GR  
Tasopoulos NM, Cayler GG, Finnerty M, Blaisdell WP, Williams GR: The effect of total body perfusion on digitals tolerance. *Dis Chest* 46:130-7, Aug 64
- Williams GR  
Roberts LB, Loughridge BP, Williams GR: Relationship between lung distensibility, pulmonary blood flow, and pulmonary blood volume. *Surg Forum* 15:181-2, 1964
- Williams GS  
Shrum RC, Williams GS, Allen MS Jr, Kenneweg DJ: Simplified technique of ileocolostomy. *Surg Forum* 15:299-301, 1964
- Williams HB  
Manson AD, Williams HB, Woolhouse FM: Correlation of edema formation, hemoconcentration, and mortality in experimental burns treated with hypothermia. *Surg Forum* 15:469-71, 1964
- Williams KG  
Hutchinson JH, Kerr MM, Williams KG, Hopkinson WI: Hyperbaric oxygen in resuscitation of the newborn. *Lancet* 2:691-2, 20 Sep 64
- Williams KR  
Williams KR, Johnson J: Aortic dissection after femoral artery cannulation. Case with extracorporeal circulation. *Arch Surg (Chicago)* 89:663-5, Oct 64
- Williams N  
Ashe WF, Williams N: Occupational Raynaud's. II. Further studies of this disorder in uranium mine workers. *Arch Environ Health (Chicago)* 9:425-33, Oct 64
- Williams RD  
Zollinger RM, Williams RD: Cholecystectomy. *JAMA* 190:145-6, 12 Oct 64
- Williams RL  
Agnew HW Jr, Webb WB, Williams RL: The effects of stage four sleep deprivation. *Electroenceph Clin Neurophysiol* 17:68-70, Jul 64
- Williams RT  
Williams RT, Bridges JW: Fluorescence of solutions: a review. *J Clin Path* 17:371-94, Jul 64
- Williams TH  
Williams TH: Fast-conducting fibres in the mitral valve. *Brit Heart J* 26:554-7, Jul 64
- Williams VR  
Williams VR, Selbin J: Divalent metal ion activation of beta-methylaspartase. *J Biol Chem* 239:1635-9, May 64
- Williamson DM  
Williamson DM: A case of long-standing narcolepsy in a coalminer. *Practitioner* 193:69-70, Jul 64
- Willis AT  
Willis AT, Jacobs SI: A case of meningitis due to Clostridium welchii. *J Path Bact* 88:312-4, Jul 64
- Willis M  
Isom JB, Gordy PD, Selner JC, Brown LJ, Willis M: Brain abscess due to Haemophilus aphrophilus. *New Eng J Med* 271:1059-61, 12 Nov 64
- (Willis T)  
(Willis T), Dewhurst K: Commemoration of the septentenary of Merton College, Oxford. *Willis in Oxford: some new MSS.* *Proc Roy Soc Med* 57:682-7, Aug 64
- (Willis T)  
(Willis T), Hierons R, Myer A: Willis's place in the history of muscle physiology. *Proc Roy Soc Med* 57:687-92, Aug 64
- Willman VL  
Willman VL, Cooper T, Hanlon CR: Return of neural responses after autotransplantation of the heart. *Amer J Physiol* 207:187-9, Jul 64
- Willoughby DA  
Willoughby DA, Spector WG: Adrenaline precursors in the inflammatory reaction. *J Path Bact* 88:159-66, Jul 64
- Willoughby DS  
Willoughby DS, Ginsburg Y, Watson DW: Host-parasite relationships among Group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. *J Bact* 87:1452-6, Jun 64
- Willoughby DS  
Willoughby DS, Watson DW: Host-parasite relationships among Group A streptococci. II. Influence of sex on the susceptibility of inbred mice toward streptococcal infection. *J Bact* 87:1457-61, Jun 64
- Willoughby DS  
Willoughby DS, Ginsburg Y, Watson DW: Host-parasite relationships among Group A streptococci. I. Hyaluronic acid production by virulent and avirulent strains. *J Bact* 87:1452-6, Jun 64
- Willis SH  
Alexander JA, Rogers SF, Jacobs WM, Willis SH: Cesarean section in the eclamptic patient on antihypertensive therapy: A review of fourteen cases. *Southern Med J* 57:1282-7, Nov 64
- Wilson CB  
Markesbery W, Wilson CB: Emulsified pantopaque for cerebral ventriculography. *Surg Forum* 15:419-21, 1964
- Wilson CB  
Wilson CB, Barker M: Behavior of human glioma cells in cerebrospinal fluid. *Surg Forum* 15:431-2, 1964
- Wilson CW  
Wilson CW: Cell-survival data and the irradiation response of some normal tissues. *Radiology* 83:120-30, Jul 64
- Wilson DD  
Leach FR, Winter BA, Wilson DD: Role of lipoic acid in pyruvate transport. *J Bact* 87:1529-30, Jun 64
- Wilson DR  
Kwak HH, Mandell HB, Wilson DR: Beneficial effect of low molecular weight dextran on acute ischemic limb. *Surg Forum* 15:230-1, 1964
- Wilson E  
Wilson E: Rectal cyst. *Aust New Zeal J Surg* 34:32-5, Aug 64
- Wilson FH  
Brown CP, Wilson FH: Diaper region irritations. Pertinent facts and methods of prevention. *Clin Pediatr (Phila)* 3:409-13, Jul 64
- Wilson H  
Wilson H, Schenker S: Effect of corticosteroids on urinary 5-beta and 5-alpha C19 steroids in man. *Acta Endocr (Kobenhavn)* 46:197-206, Jun 64
- Wilson H  
Sherman RT, Britt LG, Wilson H: Experimental replacement of the common bile duct. *Surg Forum* 15:371-3, 1964
- Wilson IC  
Wilson IC, Reece JC: Simultaneous death in schizophrenic twins. *Arch Gen Psychiat (Chicago)* 11:377-84, Oct 64
- Wilson JB  
Stalheim OH, Wilson JB: Cultivation of leptospirae. II. Growth and lysis in synthetic medium. *J Bact* 88:55-9, Jul 64
- Wilson JB  
Stalheim OH, Wilson JB: Cultivation of leptospirae. I. Nutrition of Leptospira canicola. *J Bact* 88:48-54, Jul 64
- Wilson JB  
Stalheim OH, Wilson JB: Cultivation of leptospirae. II. Growth and lysis in synthetic medium. *J Bact* 88:55-9, Jul 64
- Wilson JB  
Stalheim OH, Wilson JB: Cultivation of leptospirae. I.



# ABRIDGED INDEX MEDICUS

- Nutrition of *Leptospira canicola*.  
J Bact 88:48-54, Jul 64
- Wilson JE  
Beck LV, Roberts N, King C, Wilson JE: Effects of bromobenzene on mouse tissue sulphhydryl and insulin-I-131 metabolism.  
Proc Soc Exp Biol Med 116:283-8, Jun 64
- Wilson JS  
Pringle R, Wilson JS: Cutaneous ureterostomy in a case of malignant carcinoma obstructing the ureters.  
Brit J Urol 36:194-7, Jun 64
- Wilson MR  
Dungworth DL, Wilson MR, Gruchy CL, McCallum G: Malignant synovialoma in a cow.  
J Path Bact 88:83-7, Jul 64
- Wilson MR  
Wilson MR: Effect of the Alaska earthquake on functions of PHS Hospital.  
Public Health Rep 79:853-61, Oct 64
- Wilson ND  
Wilson ND: Complications of the Noble procedure.  
Amer J Surg 108:264-9, Aug 64
- Wilson R  
Smith JW, Ringland J, Wilson R: Vascularization of skin grafts. Surg Forum 15:473-5, 1964
- Wilson RF  
Wilson RF, Sukhnanan R, Thal AP: Combined use of norepinephrine and dibenzylamine in clinical shock. Surg Forum 15:30-1, 1964
- Wilson RR  
Duckett S, Wilson RR: Fetal spongiosblastoma. J Neuropath Exp Neurol 23:560-4, Jul 64
- Wilson SD  
Amberg JR, Ellison EH, Wilson SD, Zboralske FF: Roentgenographic observations in the Zollinger-Ellison syndrome.  
JAMA 190:185-7, 19 Sep 64
- Wilson SD  
Wilson SD, Polacek MA, Baker J, Ellison EH: Presence of a pancreatic gastric secretagogue and parietal cell proliferation after pancreatic duct ligation. Surg Forum 15:365-7, 1964
- Wilson TH  
Boass A, Wilson TH: Intestinal absorption of intrinsic factor and B12-intrinsic factor complex.  
Amer J Physiol 207:27-32, Jul 64
- Wilson W  
Wilson W: Iris cyst treated by electrolysis.  
Brit J Ophthalmol 48:45-9, Jan 64
- Wilson WE  
Merrill DA, Kirkpatrick CH, Wilson WE, Riley CM: Change in serum haptoglobin type following human liver transplantation.  
Proc Soc Exp Biol Med 116:748-51, Jul 64
- Wilson WJ Jr  
Wilson WJ Jr, Hausman R: The determination of thallium in organs and body fluids by a flame spectrophotometric method.  
J Lab Clin Med 64:154-9, Jul 64
- Witterdink JB  
Witterdink JB, Metselaar D, Van Der Kuyp E, Verlinde JD: Poliomyelitis in Surinam. Report on a type-1 outbreak in 1963 and its control by trivalent oral polio virus vaccine.  
Trop Geogr Med 16:120-8, Jun 64
- Witterdink JB  
Metselaar D, Witterdink JB, Verlinde JD: Virological and serological observations made during the development and control of an outbreak of poliomyelitis in Surinam.  
Trop Geogr Med 16:129-34, Jun 64
- Winfrey EW 3d  
Winfrey EW 3d, Adkins PC: Coronary artery perfusion. Surg Forum 15:271-2, 1964
- Winfrey EW 3d  
Foster JH, Killen DA, Sessions RT, Rhea GW, Winfrey EW 3d, Collins HA: The relative toxicity of angiographic contrast media. Vasc Dis 1:8-20, Jan 64
- Winkelman J  
Winkelman J, Rubinfeld S, McAfee J: The metabolism and excretion of Co57 tetraphenylporphyrinsulfonate in cancer patients.  
J Nucl Med 5:462-70, Jun 64
- Winkelman RK  
Burke EC, Winkelman RK, Strickland MK: Disseminated hemangiomatosis. The newborn with central nervous system involvement.  
Amer J Dis Child 108:418-24, Oct 64
- Winn JF  
Bucca MA, Palmer DF, Johnston JG, Winn JF: Antibody response in certain domestic animals to influenza viruses.  
Proc Soc Exp Biol Med 116:493-5, Jun 64
- Winstanley DP  
Anderson J, Winstanley DP: Glaucoma and elliptocytosis. Brit J Ophthalmol 48:7-12, Jan 64
- Winstanley J  
Winstanley J: Treatment of neo-vascularization with oxygen at high pressure.  
Brit J Ophthalmol 47:524-6, Sep 63
- Winsten S  
Schwartz EE, Winsten S: Serum properdin in tumor-bearing mice. II. The influence of tumors of different origin. Cancer Res 24:830-4, Jun 64
- Winsten S  
Schwartz EE, Winsten S: Serum properdin in tumor-bearing mice. I. Comparison with natural and immune antibodies. Cancer Res 24:825-9, Jun 64
- Winter BA  
Leach FR, Winter BA, Wilson DD: Role of lipole acid in pyruvate transport. J Bact 87:1529-30, Jun 64
- Wintrobe MM  
Lee GR, Haut A, Cartwright GE, Wintrobe MM: Genetic control of hemoglobin A2 synthesis: an unusual hereditary pattern in a family with thalassemia trait. J Lab Clin Med 64:72-8, Jul 64
- Wise BL  
Wise BL: Effects of infusion of hypertonic mannitol on electrolyte balance and on osmolality of serum and cerebrospinal fluid. J Neurosurg 20:961-7, Nov 63
- Wise BL  
Smith MC, Wise BL: Punched-out erosion of lamina by spinal ependymoma: case report.  
J Neurosurg 20:265-6, Mar 63
- Wise BL  
Wise BL, Van Brunt EE, Ganong WF: Effect of brain removal in dogs previously subjected to pituitary stalk section.  
Proc Soc Exp Biol Med 116:306-10, Jun 64
- Wise MJ  
Ridley DS, Wise MJ: Reaction of the dermis in leprosy. Int J Leprosy 32:24-36, Jan-Mar 64
- Wiser WC  
Bray FF, Wiser WC: Evidence for a genetic etiology of temporal-central abnormalities in focal epilepsy. New Eng J Med 271:926-33, 29 Oct 64
- Wisner CA  
Underwood GE, Wisner CA, Weed SD: Cytosine arabinoside (CA) and other nucleosides in herpes virus infections.  
Arch Ophthalmol (Chicago) 72:505-12, Oct 64
- Wisoff HS  
Rayport M, Wisoff HS, Zaiman H: Vertebral echinococcosis: report of case of surgical and biological therapy with review of the literature. J Neurosurg 21:647-59, Aug 64
- Wissler RW  
Wissler RW: The Ph.D.-M.D. pattern of training for academic pathology. Lab Invest 13:670-7, Jun 64
- Wist ER  
Wist ER, Collins WE: Some characteristics of voluntary nystagmus.  
Arch Ophthalmol (Chicago) 72:470-5, Oct 64
- Witebsky E  
McDonald JC, Milgrom F, Witebsky E: Antiglobulin consumption test in rabbit homotransplantation. JAMA 190:122-6, 12 Oct 64
- Wither JL  
Kilpatrick GS, Wither JL: Anemia and heart disease. Amer Heart J 68:138-9, Jul 64
- Witkowski  
Lowney ED, Witkowski, Simons HM, Zagula ZW: Value of comedo extraction in treatment of acne vulgaris. JAMA 189:1000-2, 28 Sep 64
- Witmer R  
Witmer R: Zur Frage der Auto-Immunerkrankung des Auges: Die Phako-Antigene Uveitis.  
Int Arch Allerg 24:Suppl58-64, 1964 (Ger)
- Witte JJ  
Henderson DA, Witte JJ, Morris L, Langmuir AD: Paralytic disease associated with oral polio vaccines. JAMA 190:41-8, 5 Oct 64
- Wittenberg BH  
Wittenberg BH, Grinols DR: Space impostor: an unusual clinical case.  
Amer J Psychiat 121:160-8, Aug 64
- Witting LA  
Witting LA, Horwitz MK: Biopotency of l-alpha-tocopheryl acetate for the rat.  
Proc Soc Exp Biol Med 116:655-8, Jul 64
- Wittmers LE  
Brake CM, Emerson TE, Wittmers LE, Hinshaw LB: Alteration of vascular responses to endotoxin by adrenergic blockade.  
Amer J Physiol 207:149-51, Jul 64
- Witz I  
Witz I, Hermann G, Piskovsky M, Gross J: The antigenic composition of tumours, sera and urines of tumour-bearing mice and the partial purification of two antigens present in increased amounts.  
Brit J Cancer 18:397-406, Jun 64
- Wohler F  
Wohler F: Ferritin und Hämosiderin.  
Deutsch Med Wschr 89:1801-9, 18 Sep 64 (Ger)
- Wolach A  
Dworkin BB, Wolach A, Necheles H: Recording viscometer for nonhomogeneous biological fluids. J Appl Physiol 19:798-800, Jul 64
- Woldring S  
Costal M, Ausman J, Woldring S, Owens G: Monoventricular hypothermic perfusion. Cortical electric responses to anaesthetic agents.  
J Neurosurg 20:675-8, Aug 63
- Woldring S  
Costal M, Owens G, Woldring S: Experimental production of cerebral hypothermia by ventricular perfusion techniques. J Neurosurg 20:112-7, Feb 63
- Woldring S  
Belmusto L, Woldring S, Owens G: Centrifugal respiratory pathway in the spinal cord.  
Surg Forum 15:418-9, 1964
- Wolf BS  
Khilnani MT, Wolf BS: Transverse diameter of cervical spinal cord on Pantopaque myelography. J Neurosurg 20:680-4, Aug 63
- Wolf P  
Read RC, Wolf P: Symptomatic disseminated cystic medial necrosis. Report of a case with multiple arterial rupture. New Eng J Med 271:816-9, 15 Oct 64
- Wolf T  
Giebel MG, Wolf T: Die akute Wirbelgelenkblockierung an der Halswirbelsäule und ihre Beziehungen zur Osteochondrose.  
Deutsch Med Wschr 89:1832-8, 25 Sep 64 (Ger)
- Wolfe A  
Wolfe A: Careers in neuropathology.  
Lab Invest 13:652-7, Jun 64
- Wolfe HJ  
Wolfe HJ, Pietra GG: The visceral lesions of metachromatic leukodystrophy.  
Amer J Path 44:921-30, Jun 64
- Wolffendale M  
Wolffendale M, Handfield-Jones RP: The prevention of cervical cancer. Who takes the smears? Lancet 2:901-2, 24 Oct 64
- Wolff D  
Wolff D: Untoward sequelae eleven months following stapedectomy. Ann Otol 73:297-304, Jun 64
- Wolff F  
Drash A, Wolff F: Drug therapy in leucine-sensitive hypoglycemia. Metabolism 13:487-92, Jun 64
- Wolff JW  
Vinke B, Van Der Sar A, Wolff JW: The occurrence of leptospirosis on Curaçao (Neth. Antilles).  
Trop Geogr Med 16:167-9, Jun 64
- Wolff RJ  
Goldstein PJ, Wolff RJ: The incompetent cervix: a survey of survivors. Obstet Gynec 23:752-8, May 64
- Wolff WS  
Lander JH, Porterfield JF, Wolff WS: Correlation of parietal cell population with the level of gastric secretion in dogs with Heidenhain pouches.  
Surg Forum 15:310-2, 1964
- Wolford RG  
Freeman AE, Ward TG, Wolford RG: A simplified method for the cloning of heteroploid and diploid mammalian cells.  
Proc Soc Exp Biol Med 116:339-43, Jun 64
- Wolffson SK Jr  
Wolffson SK Jr, Icoz MV, Inouye WY, Parkins WM: Prolonged circulatory arrest with preferential cerebral hypothermia and resuscitation by external cardiac massage. Surg Forum 15:415-7, 1964
- Wollin LR  
Wollin LR, Massopust LC Jr, Meder J: Electoretinogram and cortical evoked potentials under hypothermia.  
Arch Ophthalmol (Chicago) 72:521-4, Oct 64
- Wolk RL  
Wolk RL, Rustin SL: Psychologic evaluation of a gerontologic population: comparison of results with the Raven Progressive Matrices (1947) versus the Wechsler Adult Intelligence Scale.  
J Amer Geriatr Soc 12:807-9, Aug 64
- Wollemann M  
Wollemann M, Kocsar L: Oxidative phosphorylation in aortic homogenates.  
J Atheroscler Res 4:367-9, Jul-Aug 64
- Wollheim FA  
Wollheim FA, Belfrage S, Cöster C, Lindholm H: Primary "acquired" hypogammaglobulinemia: clinical and genetic aspects of nine cases.  
Acta Med Scand 178:1-16, Jul 64
- Wollman H  
Alexander SC, Wollman H, Cohen PJ, Chase PE, Behar M: Cerebrovascular response to Paco2 during halothane anesthesia in man.  
J Appl Physiol 19:561-5, Jul 64
- Wolman IJ  
Wolman IJ: Immunizations. Some practical considerations. Clin Pediatr (Phila) 3:383-4, Jul 64
- Wolinsky C  
Wolinsky C: Polyneuritis of pregnancy effectively managed with dilantin. Report of a case.  
Obstet Gynec 23:802-3, May 64
- Wolter JR  
Wolter JR, Allen RJ: Retinal neuropathology of late infantile amaurotic idiocy.  
Brit J Ophthalmol 48:277-84, May 64
- Wolter JR  
Wolter JR, Pfister RR, Fechner PV: Pathology of trabecular nerves in open-angle glaucoma.  
Brit J Ophthalmol 47:1-10, Jan 63
- Wong CP  
Chun D, Kan PS, Ho HC, Wong CP: The Hong Kong Chinese female bony pelvis and its influence on labour. A radiographic and clinical study of 1,005 women. J Obstet Gynaec Brit Comm 71:556-64, Aug 64
- Wong VG  
Wong VG, Macri FJ: Vasculature of the cat eye.  
Arch Ophthalmol (Chicago) 72:351-8, Sep 64
- Wood C  
Wood C: The expansive behaviour of the human uterus. J Obstet Gynaec Brit Comm 71:815-20, Aug 64
- Wood C  
Wood C: Physiology of uterine contractions.  
J Obstet Gynaec Brit Comm 71:380-73, Jun 64
- Wood CD  
Wood CD, Seager LD, Ferrell G: Influence of autonomic blockade on aconitine induced pulmonary edema. Proc Soc Exp Biol Med 116:809-11, Jul 64
- Wood GH  
Nice CM Jr, Daves ML, Wood GH: Changes in bone associated with cyanotic congenital cardiac disease. Amer Heart J 68:25-31, Jul 64
- Wood J  
Starr A, Campbell TJ, Wood J, McCord C, Herr R, Menashe V: Transposition of the great vessels: recent experience with the Blalock-Hanlon procedure.  
Amer J Surg 108:198-203, Aug 64
- Wood J  
Henderson RJ, Chalmers JA, Wood J: The care of the umbilical stump in relation to cross infection in maternity units.  
J Obstet Gynaec Brit Comm 71:443-8, Jun 64
- Wood ML  
Monaco AP, Wood ML, Russel PS: A simple method for the preparation of cell free transplantation antigens. Physical and biological properties.  
Surg Forum 15:133-5, 1964
- Wood RM  
Perkins ES, Wood RM: Auto-immunity in uveitis. Brit J Ophthalmol 48:61-9, Feb 64
- Wood WA  
Wood WA, Walters G, Flavell Matts SG: Urinary excretion of prednisolone after intrarectal therapy in ulcerative colitis. Brit Med J 5416:1045-6, 24 Oct 64
- Woodard GH  
Brav EA, Macdonald WF, Woodard GH, Leonard F: Follow-up notes on articles previously published in the Journal. Cineplasty—ten years later.  
J Bone Joint Surg [Amer] 46:1137-8, Jul 64
- Woodbury DM  
Vernadakis A, Woodbury DM: Electrolyte and nitrogen changes in skeletal muscle of developing rats. Amer J Physiol 208:1365-8, Jun 64
- Woodbury JW  
Wiederhielm CA, Woodbury JW, Kirk S, Rushmer RF:



# ABRIDGED INDEX MEDICUS

- Pulsatile pressures in the microcirculation of frog's mesentery. *Amer J Physiol* 207:173-8, Jul 64
- Woodhouse AF  
 Peck HM, Woodhouse AF, Metzgar DP, McKinney SE, Hilleman MR: New metabolizable immunologic adjuvant for human use. 2. Short-term animal toxicity tests. *Proc Soc Exp Biol Med* 116:523-30, Jun 64
- Woodhouse AF  
 Woodhouse AF, Metzgar DP, Stim TB, Tytell AA, Hilleman MR: New metabolizable immunologic adjuvant for human use. I. Development and animal immune response. *Proc Soc Exp Biol Med* 116:516-23, Jun 64
- Woodhouse DF  
 Phillips CI, Woodhouse DF: Self-limiting acute closed-angle glaucoma with segmental iris shortening. *Brit J Ophthalmol* 47:547-54, Sep 63
- Woodring MJ  
 Woodring MJ, Fisher DH, Storvick CA: A microprocedure for the determination of 4-pyridoxal acid in urine. *Clin Chem* 10:479-89, Jun 64
- Woods AC  
 Woods AC, Duke JR: Coats's disease. 3. Experimental study of the effect of sterile uveal inflammation on rabbits with an induced hyperlipaemia. *Brit J Ophthalmol* 48:330-40, Jun 64
- (Woods AC)  
 (Woods AC), Duke-Elder S: Alan Churchill Woods, 1889-1963. *Brit J Ophthalmol* 47:254-6, Apr 63
- Woods AC  
 Duke JR, Woods AC: Coats's disease. II. Studies on the identity of the lipids concerned, and the probable role of mucopolysaccharides in its pathogenesis. *Brit J Ophthalmol* 47:413-34, Jul 63
- Woods AC  
 Woods AC, Duke JR: Coats's disease. I. Review of the literature, diagnostic criteria, clinical findings, and plasma lipid studies. *Brit J Ophthalmol* 47:385-412, Jul 63
- Woods MN  
 Woods MN, McCormick DB: Effect of dietary phenylalanine on activity of phenylalanine hydroxylase from rat liver. *Proc Soc Exp Biol Med* 116:427-30, Jun 64
- Woodside EE  
 Woodside EE, Theriault DG, Kocholaty W: Lipids of human platelets and their action on the blood coagulation process. *Blood* 24:76-91, Jul 64
- Woodward ER  
 Quintana R, Kohatsu S, Woodward ER, Dragstedt LR: Mechanism of duodenal inhibition of gastric secretion. *Arch Surg (Chicago)* 89:585-91, Oct 64
- Woodward ER  
 Eisenberg MM, Owens JE, Woodward ER: Androgenic effect on gastric secretion. *Surg Forum* 15:321-3, 1964
- Woolf CR  
 Woolf CR: An assessment of the fractional carbon monoxide uptake and its relationship to pulmonary diffusing capacity. *Dis Chest* 46:181-9, Aug 64
- Woolfe G  
 Hale LJ, Morton EV, Spooner DF, Woolfe G: New penicillins. *Brit Med J* 54:1494-10, Oct 64
- Woolfrey BF  
 Woolfrey BF: Radioautographic evaluation of freeze-thaw buffers using nucleic acid- and glycine-related synthetic systems in vitro. *Lab Invest* 13:581-6, Jun 64
- Woolhouse FM  
 Manson AD, Williams HB, Woolhouse FM: Correlation of edema formation, hemoconcentration, and mortality in experimental burns treated with hypothermia. *Surg Forum* 15:469-71, 1964
- Woolley MM  
 Woolley MM, Joergenson EJ: Xiphopagus conjoined twins: preoperative evaluation and surgical management. *Amer J Surg* 108:277-84, Aug 64
- Worlton JT  
 Wetzis JC, Worlton JT: Treatment of diabetic retinopathy by light-coagulation: a preliminary study. *Brit J Ophthalmol* 47:539-41, Sep 63
- Worth RM  
 Worth RM: The heparinized capillary tube as an epidemiologic tool. I. Syphilis and Salmonella serologic screening. *Amer J Hyg* 80:82-9, Jul 64
- Worth RM  
 Worth RM: The heparinized capillary tube as an epidemiologic tool. II. Concentration of blood parasites by centrifugation. *Amer J Hyg* 80:70-4, Jul 64
- Worthington WC Jr  
 Worthington WC Jr, Jones DJ, Buse MG: Autoradiographic study of insulin distribution in the rat with special reference to elastic tissue. *Endocrinology* 74:914-24, Jun 64
- Wortis J  
 Wortis J, Freundlich D: Psychiatric work therapy in the Soviet Union. *Amer J Psychiat* 121:123-8, Aug 64
- Wortzman G  
 Wortzman G, Botterell EH: A mobile ependymoma of the filum terminale. *J Neurosurg* 20:164-8, Feb 63
- Wotman S  
 Wotman S, Mandel ID, Khotim S, Thompson RH JR, Kutscher AH, Zegarelli EV, Denning CR: Salt taste thresholds and cystic fibrosis. *Amer J Dis Child* 108:372-4, Oct 64
- Wray HW  
 Seiser A, Wray HW: Quinidine syncope. Paroxysmal ventricular fibrillation occurring during treatment of chronic atrial arrhythmias. *Circulation* 30:17-26, Jul 64
- Wray JB  
 Zeldman H, Wray JB: Changes in red cell mass after pelvic fracture. *Arch Surg (Chicago)* 89:598-601, Oct 64
- Wray JB  
 Wray JB: Alterations in muscle and liver glycogen secondary to fracture. *Metabolism* 13:551-6, Jun 64
- Wray JB  
 Greenburg F, Wray JB: Influence of the adrenal glands upon fracture healing. *Surg Forum* 15:445-6, 1964
- (Wren C)  
 (Wren C): Christopher Wren (1632-1723) architect of London. *JAMA* 190:467, 2 Nov 64
- Wright EA  
 Shewell J, Wright EA, Bewley DK, Silvester A: The combination of hypoxia and cysteamine treatment in protecting mice from wholebody irradiation. *J Path Bact* 88:61-71, Jul 64
- Wright FW  
 Wright FW: Persistent axillary or sciatic artery of the lower limb in association with hemihypertrophy. *Clin Radiol* 15:291-2, Jul 64
- Wright HK  
 Wright HK, McMaster W, Gann DS, Drucker WR: Correction of the renal concentrating defect in hemorrhagic shock. *Surg Forum* 15:18-20, 1964
- Wright HK  
 Brown FE, Wright HK: Internal fluid shifts secondary to intraperitoneal nitrogen mustard. *Surg Forum* 15:386-7, 1964
- Wright JC  
 Hejtmancik MR, Wright JC, Quint R, Jennings FL: The cardiovascular manifestations of systemic lupus erythematosus. *Amer Heart J* 68:119-30, Jul 64
- Wright JC  
 Wright JC: Angioid streaks in pituitary tumour. *Brit J Ophthalmol* 48:402-3, Jul 64
- Wright MH  
 Wright MH: Keratitis linearis migrans. *Brit J Ophthalmol* 47:504-6, Aug 63
- Wright N  
 Rademan J, Steytler JG, Wright N: First isolations of leptospirae in cape town. *S Afr Med J* 38:694-6, 29 Aug 64
- Wright RL  
 Wright RL, Ames A 3d: Measurement of maximal permissible cerebral ischemia and a study of its pharmacologic prolongation. *J Neurosurg* 21:567-74, Jul 64
- Wu HL  
 Wu HL, Mason M: Pyridoxamine-oxaloacetic transaminase of rat kidney. *J Biol Chem* 239:1492-7, May 64
- Wuerflein RD  
 Anderson LG, Selby DM, Wuerflein RD, Campbell GS: Protective influence of external counter-pressure after acute hemorrhage in dogs. *Surg Forum* 15:4-6, 1964
- Wuertz RL  
 Wuertz RL, Frazee WH Jr, Hume WG, Lynch AL, Wetherhold JM: Chemical cyanosis-anemia syndrome. Diagnosis, treatment, and recovery. *Arch Environ Health (Chicago)* 9:478-91, Oct 64
- Wulsin JH  
 Wulsin JH: Pheochromocytoma in the mesosigmoid following term delivery. *JAMA* 190:242-4, 19 Sep 64
- Wybar K  
 Wybar K: Embryonal sarcomas. *Proc Roy Soc Med* 57:738-40, Aug 64
- Wycis HT  
 Spiegel EA, Wycis HT, Szekely EG, Soloff L, Adams J, Gildenberg P, Zanes C: Stimulation of Forel's field during stereotaxic operations in the human brain. *Electroenceph Clin Neurophysiol* 18:537-48, Jun 64
- Wycis HT  
 Spiegel EA, Wycis HT, Szekely EG, Adams DJ, Flanagan M, Baird HW 3d: Campotomy in various extrapyramidal disorders. *J Neurosurg* 20:871-84, Oct 63
- Wyllie CM  
 Wyllie CM: Age and long-term hospital care following cerebrovascular accidents. *J Amer Geriatr Soc* 12:763-70, Aug 64
- Wyllie EJ  
 Wyllie EJ, Binkley FM, Albo RJ: Femoropopliteal endarterectomy: operative modifications and consideration of effects of outflow lesions. *Amer J Surg* 108:215-23, Aug 64
- Wyllie JC  
 Wyllie JC, More RH, Haust MD: Demonstration of fibrin in yellow aortic streaks by the fluorescent antibody technique. *J Path Bact* 88:335-8, Jul 64
- Wyllie JH  
 Clark CG, Murray JG, Slessor IM, Wyllie JH: Complete vagotomy and its consequences: follow-up of 146 patients. *Brit Med J* 54:1490-3, 10 Oct 64
- Wyman LC  
 Kolthoff NJ, Macchi IA, Wyman LC: Microangiographic visualization of blood distribution in intact and regenerated rat adrenals before and during cold stress. *Angiology* 15:344-9, Aug 64
- Wyndham CH  
 Wyndham CH, Strydom NB, Munro A, MacPherson RK, Metz B, Schaff G, Schieber J: Heat reactions of Caucasians in temperate, in hot, dry, and in hot, humid climates. *J Appl Physiol* 19:607-12, Jul 64
- Wyndham CH  
 Wyndham CH, Plotkin R, Munro A: Physiological reactions to cold of men in the Antarctic. *J Appl Physiol* 19:593-7, Jul 64
- Wyndham CH  
 Wyndham CH, Strydom NB, Morrison JF, Williams CG, Bredell GA, Von Rabden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Heat reactions of Caucasians and Bantu in South Africa. *J Appl Physiol* 19:598-606, Jul 64
- Wyndham CH  
 Wyndham CH, Ward JS, Strydom NB, Morrison JF, Williams CG, Bredell GA, Peter J, Von Rabden MJ, Holdsworth LD, Van Graan CH, Van Rensburg AJ, Munro A: Physiological reactions of Caucasian and Bantu males in acute exposure to cold. *J Appl Physiol* 19:583-92, Jul 64
- Wynngaarden JB  
 McCollister RJ, Gilbert WR Jr, Ashton DM, Wynngaarden JB: Pseudofeedback inhibition of purine synthesis by 6-mercaptapurine ribonucleotide and other purine analogues. *J Biol Chem* 239:1560-3, May 64
- Wyshak G  
 White C, Wyshak G: Inheritance in human dizygotic twinning. *New Eng J Med* 271:1003-5, 5 Nov 64
- Y  
 Yagi S  
 Hollander W, Yagi S, Kramsch DM: In vitro effects of vasopressor agents on the metabolism of the vascular wall. *Circulation* 30:Suppl 2:1-10, Aug 64
- Yahr WZ  
 Yahr WZ, Strully KJ, Hurwitz ES: Non-occlusive small arterial anastomosis with a neodymium laser. *Surg Forum* 15:224-6, 1964
- Yale CE  
 Yale CE, Altemeier WA: Strangulation obstruction in germfree rats. *Surg Forum* 15:294-5, 1964
- Yamada A  
 Yamada A, Jensen MM, Rasmussen AF Jr: Stress and susceptibility to viral infections. 3. Antibody response and viral retention during avoidance learning stress. *Proc Soc Exp Biol Med* 116:677-80, Jul 64
- Yamamoto E  
 Aronson SB, Yamamoto E, Goodner EK, O'Connor GR: The occurrence of an autoantibody in human uveitis. *Arch Ophthalmol (Chicago)* 72:621-5, Nov 64
- Yamamoto K  
 Yamamoto K, Nakai Y: Electron microscopic studies on the functions of the stria vascularis and the spiral ligament in the inner ear. *Ann Otol* 73:332-47, Jun 64
- Yamamoto S  
 Redeker AG, Kunelis CT, Yamamoto S, Reynolds TB: Assessment of portal and hepatic hemodynamics after side-to-side portacaval shunt in patients with cirrhosis. *J Clin Invest* 43:1464-71, Jul 64
- Yanagisawa N  
 Yoshida M, Yanagisawa N, Shimazu H, Givre A, Narabayashi H: Physiological identification of the thalamic nucleus. *Arch Neurol (Chicago)* 11:435-43, Oct 64
- Yankauer A  
 Yankauer A, Ordway NK: Diarrheal disease and health services in Latin America. *Public Health Rep* 79:917-23, Oct 64
- Yankowitz D  
 Brown AC, Yankowitz D: Tooth pulp tissue pressure and hydraulic permeability. *Circ Res* 15:42-50, Jul 64
- Yano Y  
 Yano Y, Anger HO: A gallium-68 positron cow for medical use. *J Nucl Med* 5:484-7, Jun 64
- Yarnell MM  
 Easty GC, Yarnell MM, Andrews RD: The uptake of proteins by normal and tumour cells in vitro. *Brit J Cancer* 18:354-67, Jun 64
- Yarom R  
 Yarom R, Griffel B: Aneurysm of interventricular septum with subaortic stenosis. *J Path Bact* 88:93-5, Jul 64
- Yarosh W  
 Furex J, Armstrong RE, Yarosh W, Nagler FP: Genetic markers of poliovirus strains isolated from paralytic patients prior to and after Sabin vaccination programs. I. Studies on type 1 strains. *Amer J Hyg* 80:45-54, Jul 64
- Yashon D  
 Yashon D: Prognosis in infantile hydrocephalus: past and present. *J Neurosurg* 20:105-11, Feb 63
- Yasuda T  
 Yasuda T, Kawada A, Yoshida K: Eccrine poroma. A Japanese case showing melanin granules and melanocytes in the tumor. *Arch Derm (Chicago)* 90:428-31, Oct 64
- Yasuhiro K  
 Yasuhiro K: Damage to the thymus and other lymphoid tissues from 3-methylcholanthrene, and subsequent thymoma production, in mice. *Cancer Res* 24:558-69, May 64
- Yates PO  
 Yates PO: Tumours of the central nervous system in children. *J Clin Path* 17:418-22, Jul 64
- Yatvin MB  
 Yatvin MB, Wannemacher RW Jr, Banks WL Jr: Effects of thioracil and of thyroidectomy of liver protein metabolism. *Endocrinology* 74:878-84, Jun 64
- Yde H  
 Yde H: The growth-hormone-dependent sulphation factor in serum of untreated diabetics. *Lancet* 2:625-6, 10 Sep 64
- Yee J  
 May IA, Byrne WD, Yee J, Hardy KL, Samson PC: Left colon total bypass for benign and malignant disease of the esophagus. *Amer J Surg* 108:204-14, Aug 64
- Yeh TJ  
 Yeh TJ, Ellison LT, Ellison RG: Alveolar surfactant in lung homotransplantation and hilar stripping. *Surg Forum* 15:191-2, 1964
- Yen SS  
 Yen SS: Spontaneous rupture of the liver during pregnancy. A report of 2 cases. *Obstet Gynec* 23:783-7, May 64
- Yin MW  
 Goyer RA, Yin MW, Bowden DH: Taurine excretion following drug-induced muscle necrosis and x-irradiation. *Proc Soc Exp Biol Med* 116:534-6, Jun 64
- Ylinen O  
 Ylinen O, Pulkkinen M: Placenta praevia accreta. *Ann Chir Gynaec Fenn* 53:394-9, 1964
- Yoho AV  
 Yoho AV, Drach G, Koletsky S, Persky L: Experimental evaluation of tissue adhesives in urogenital surgery. *J Urol* 92:56-9, Jul 64
- Yokoro K  
 Yokoro K, Kunit A, Furth J, Durbin PW: Tumor induction with astatine-211 in rats. Characterization of pituitary tumors. *Cancer Res* 24:663-8, May 64
- Yorston RA  
 Yorston RA: Observations on symptomatic



# ABRIDGED INDEX MEDICUS

- localization of pharyngeal foreign bodies.  
Brit Med J 5415:992, 17 Oct 64
- Yoshida K**  
Yasuda T, Kawada A, Yoshida K: Eccrine poroma. A Japanese case showing melanin granules and melanocytes in the tumor.  
Arch Derm (Chicago) 90:428-31, Oct 64
- Yoshida M**  
Yoshida M, Yanagisawa N, Shimazu H, Givre A, Narabayashi H: Physiologic identification of the thalamic nucleus.  
Arch Neurol (Chicago) 11:435-43, Oct 64
- Yoshida T**  
Yoshida T: [Studies on liver circulation during hemorrhagic shock; the relation between liver circulation and cardiac output and oxygen consumption in the internal organs]  
Jap Circ J 28:704-11, Sep 64 (Jap)
- Yoshikawa S**  
Yoshikawa S, Kawabata M, Hatsuyama Y, Hosokawa O, Fujita T: Atypical vitamin-D resistant osteomalacia. Report of a case.  
J Bone Joint Surg [Amer] 48:998-1007, Jul 64
- Youmans AS**  
Youmans AS, Youmans GP: Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from Mycobacterium tuberculosis.  
J Bact 87:1346-54, Jun 64
- Youmans GP**  
Youmans AS, Youmans GP: Effect of mitochondrial stabilizers on the immunogenicity of the particulate fraction isolated from Mycobacterium tuberculosis.  
J Bact 87:1346-54, Jun 64
- Young AC**  
Ishikawa K, Martin CJ, Young AC: Pressure-volume studies on lung lobes in man.  
J Appl Physiol 19:823-8, Jul 64
- Young D**  
Eisenberg R, Young D, Jacobson B, Boito A: Familial supravalvular aortic stenosis.  
Amer J Dis Child 108:341-7, Oct 64
- Young DJ**  
Weaver DF, Young DJ: Retropharyngeal hemorrhage from the carotid arteries. Ann Otol 73:541-54, Jun 64
- Young GF**  
Cogan DG, Kuwabara T, Young GF, Knox DL: Herpes simplex retinopathy in an infant.  
Arch Ophthalmol (Chicago) 72:641-5, Nov 64
- Young HH**  
Kent JR, Young HH: Plasma testosterone levels in patients with prostatic carcinoma.  
Surg Forum 15:485-6, 1964
- Young IE**  
Young IE: Characteristics of an abortively disporic variant of Bacillus cereus. J Bact 88:242-54, Jul 64
- Young JA**  
Smith RM Jr, Young JA, Mannheim A: The SYM tourniquet. Anesthesiology 25:573-4, Jul-Aug 64
- Young JC**  
Rafajko RR, Young JC: Thermal and pH stability of adenovirus types 12, 14, and 18.  
Proc Soc Exp Biol Med 116:683-5, Jul 64
- Young LB**  
Weber G, Young LB: Fragmentation of bovine serum albumin by pepsin. I. The origin of the acid expansion of the albumin molecule.  
J Biol Chem 239:1415-23, May 64
- Young LB**  
Weber G, Young LB: Fragmentation of bovine serum albumin by pepsin. II. Isolation, amino acid composition, and physical properties of the fragments. J Biol Chem 239:1424-31, May 64
- Young RJ**  
Young RJ: Application of thermography to the problem of placental localization: preliminary communication. Brit Med J 5415:978-81, 17 Oct 64
- Young WA**  
Young WA, Shaw DB, Bates DV: Effect of low concentrations of ozone on pulmonary function in man. J Appl Physiol 19:785-8, Jul 64
- Young WC**  
Stahlman M, LeQuire VS, Young WC, Merrill RE, Birmingham RT, Payne GA, Gray J: Pathophysiology of respiratory distress in newborn lambs. Circulatory, biochemical, and pathological considerations. Amer J Dis Child 108:375-93, Oct 64
- Young WG Jr**  
Lesage MA, Tsuchioka H, Young WG Jr, Sealy WC: Tolerance of dogs to deep hypothermia. Controlled and maintained with a pump oxygenator.  
Arch Surg (Chicago) 88:877-84, Oct 64
- Young WG Jr**  
Canent RV Jr, Spach MS, Young WG Jr: Cardiopulmonary dynamics in patients with anastomosis of the superior vena cava to the right pulmonary artery. Circulation 30:47-54, Jul 64
- Younger RK**  
Foster JH, Jolly PC, Carlisle BB, Younger RK: Ammonia metabolism with variations in portal venous diversion. Surg Forum 15:105-8, 1964
- Younger RK**  
Stephenson SE Jr, Younger RK, Scott HW Jr: Experimental primate atherosclerosis.  
Surg Forum 15:287-8, 1964
- Youngner JS**  
Youngner JS, Hallum JV: Cystine-independent thermoresistant mutants of poliovirus.  
J Bact 88:265-6, Jul 64
- Youngstrom KA**  
Davidson KC, Youngstrom KA: The Odeica one hundred millimeter camera and rapid film-changer: its application to angiography.  
Radiology 83:80-5, Jul 64
- Yousten AA**  
Yousten AA, Delwiche EA: Succinic acid degradation by Veillonella alcalescens. J Bact 87:1527-8, Jun 64
- Yphantis DA**  
Shapiro SK, Yphantis DA, Almenas A: Biosynthesis of methionine in Saccharomyces cerevisiae. Partial purification and properties of s-adenosylmethionine: homocysteine methyltransferase.  
J Biol Chem 239:1551-8, May 64
- Yu PN**  
Reynolds EW Jr, Yu PN: Transmyocardial temperature gradient in dog and man: relation to the polarity of the T wave of the electrocardiogram.  
Circ Res 15:11-9, Jul 64
- Yu SC**  
Rossi NP, Yu SC, Koepke J, Spencer FC: Pulmonary injury from prolonged oxygenation with venous blood. Surg Forum 15:277-9, 1964
- Yu SC**  
Yu SC, Rossi NP, Spencer FC: Changes in intracardiac pressures with overtransfusion of normal dogs.  
Surg Forum 15:283-5, 1964
- Yuan RH**  
Glasauer FE, Yuan RH: Intracranial tumors with extracranial metastases. Case report and review of the literature. J Neurosurg 20:474-93, Jun 63
- Yudilevich D**  
Martin P, Yudilevich D: A theory for the quantification of transcapillary exchange by tracer-dilution curves.  
Amer J Physiol 207:162-8, Jul 64
- Yun C**  
Olds J, Yuwiler A, Olds ME, Yun C: Neurohumors in hypothalamic substrates of reward.  
Amer J Physiol 207:242-54, Jul 64
- Yuwiler A**  
Olds J, Yuwiler A, Olds ME, Yun C: Neurohumors in hypothalamic substrates of reward.  
Amer J Physiol 207:242-54, Jul 64

## Z

- Zagala ZW**  
Lowney ED, Witkowski, Simons HM, Zagala ZW: Value of comedo extraction in treatment of acne vulgaris. JAMA 189:1000-2, 28 Sep 64
- Zalman H**  
Rayport M, Wisoff HS, Zalman H: Vertebral echinococcosis: report of case of surgical and biological therapy with review of the literature. J Neurosurg 21:847-59, Aug 64
- Zamir A**  
Ben-Ishai R, Lahav M, Zamir A: Control of uracil synthesis by arginine in Escherichia coli.  
J Bact 87:1436-42, Jun 64
- Zampella AD**  
Zampella AD: Accreditation and the adjuvant effects on convalescent home operation.  
J Amer Geriatr Soc 12:658-64, Jul 64
- Zanes C**  
Spiegel EA, Wycis HT, Szekely EG, Soloff L, Adams J, Glidenberg P, Zanes C: Stimulation of Forel's field during stereotaxic operations in the human brain. Electroenceph Clin Neurophysiol 16:537-48, Jun 64
- Zapata AC**  
Parisier HE, Housay AB, Zapata AC, Valerga AC, Funes JF: I-131-uptake in cervical mucus during the menstrual cycle. Fertil Steril 15:433-9, Jul-Aug 64
- Zapp JA Jr**  
Zapp JA Jr: Industry and environmental health. Arch Environ Health (Chicago) 9:683-7, Nov 64
- Zarafonitis CJ**  
Joseph RR, Zarafonitis CJ: Clinical onset of lupus erythematosus in the older age group.  
J Amer Geriatr Soc 12:787-99, Aug 64
- Zaroff LI**  
Zaroff LI, Lowenstein E, Walker HL, Villarreal Y: Excess lactate in cyanotic dogs during hyperbaric oxygenation. Surg Forum 15:202-3, 1964
- Zavon MR**  
Zavon MR: Diagnosis and treatment of pesticide poisoning.  
Arch Environ Health (Chicago) 9:815-20, Nov 64
- Zboralske FF**  
Soergel KH, Zboralske FF, Amberg JR: Presbyesophagus: esophageal motility in nonagenarians. J Clin Invest 43:1472-9, Jul 64
- Zboralske FF**  
Amberg JR, Ellison EH, Wilson SD, Zboralske FF: Roentgenographic observations in the Zollinger-Ellison syndrome. JAMA 190:185-7, 19 Sep 64
- Zegarelli EV**  
Wofman S, Mandel ID, Khotim S, Thompson RH JR, Kutscher AH, Zegarelli EV, Denning CK: Salt taste thresholds and cystic fibrosis.  
Amer J Dis Child 108:372-4, Oct 64
- Zeidman H**  
Zeidman H, Wray JB: Changes in red cell mass after pelvic fracture.  
Arch Surg (Chicago) 89:596-601, Oct 64
- Zelenik JS**  
Zelenik JS, Halpern AJ, Williams DW: Treatment of neoplastic effusions with chlorambucil. Obstet Gynec 23:703-7, May 64
- Zelenik JS**  
Zelenik JS: Ectopic pregnancy: an increasing social disease? Obstet Gynec 23:810-2, May 64
- Zelesnick LD**  
Heymann H, Manniello JM, Zelesnick LD, Barkulis SS: Structure of streptococcal cell walls. II. Group A biose and group A triose from C-polysaccharide. J Biol Chem 239:1656-63, May 64
- Zelickson AS**  
Zelickson AS: Phototoxic reaction with nalidixic acid. JAMA 190:556-7, 9 Nov 64
- Zell JR**  
Zell JR, Crisp WE: A psychiatric evaluation of the use of oral contraceptives. A study of 250 private patients. Obstet Gynec 23:657-61, May 64
- Zelman S**  
Murphy FJ, Zelman S: Water metabolism and the psychiatric patient. J Urol 92:80-3, Jul 64
- Zetzel L**  
Zetzel L: Treatment of ulcerative colitis. New Eng J Med 271:891-5, 22 Oct 64
- Zewe V**  
Zewe V, Fromm HJ, Fabiano R: The effect of manganous ion on the kinetics and mechanism of the yeast hexokinase reaction.  
J Biol Chem 239:1625-34, May 64
- Ziegler M**  
Ziegler M, Gross F: Effect of blood volume changes on renin-like activity in blood.  
Proc Soc Exp Biol Med 116:774-8, Jul 64
- Zielinski J**  
Zielinski J, Szkodny A: An unusual cause of renal colic in a pseudohermaphrodite.  
Brit J Urol 36:254-6, Jun 64
- Ziering W**  
Ziering W, Vawter GF: "The battered baby syndrome". J Pediatr 65:321-2, Aug 64
- Zierler KL**  
Holzman GB, Wagner HN Jr, Ilo M, Rabinowitz D, Zierler KL: Measurement of muscle blood flow in the human forearm with radioactive krypton and xenon. Circulation 30:27-34, Jul 64
- Zigas V**  
Neumann MA, Gajdusek DC, Zigas V: Neuropathologic findings in exotic neurologic disorders among natives of the highlands of New Guinea. J Neuropath Exp Neurol 23:486-507, Jul 64
- Zilkha KJ**  
Zilkha KJ: Cerebrovascular accidents and oral contraception. Brit Med J 5417:1132-3, 31 Oct 64
- Zimmerman HM**  
Ikuta F, Zimmerman HM: Intramuscular precancerous lesions from hydrocarbons.  
Arch Path (Chicago) 78:377-89, Oct 64
- Zimmerman HM**  
Zimmerman HM: Analysis of the research training program. Lab Invest 13:694-700, Jun 64
- Zimmerman JM**  
King TC, Zimmerman JM: Effects of minimal blood volume changes on renal blood flow.  
Surg Forum 15:494-8, 1964
- Zimmerman JM**  
Zimmerman JM, King TC, Ramos AG: Wound infections: inoculum versus medium.  
Surg Forum 15:62-4, 1964
- Zimmerman LE**  
Zimmerman LE, Fine BS: Production of hyaluronic acid by cysts and tumors of the ciliary body. Arch Ophthalmol (Chicago) 72:365-79, Sep 64
- Zimskind PD**  
Zimskind PD, Fetter TR, Davis DM, Friedman MH, Dworkin JY: Effect of renal vascular occlusion on pelvic and ureteral pressures in dogs.  
Surg Forum 15:496-7, 1964
- Zingesser LH**  
Zingesser LH, Schechter MM: The radiology of masses lying within and adjacent to the tentorial hiatus. Brit J Radiol 37:486-510, Jul 64
- Zingg W**  
Zingg W, Lindsay P: Rheology of blood-dextran mixtures. Surg Forum 15:228-30, 1964
- Zink MW**  
Sanwal BD, Zink MW, Stachow CS: Nicotinamide adenine dinucleotide-specific isocitric dehydrogenase. A possible regulatory protein. J Biol Chem 239:1597-603, May 64
- Ziskind A**  
Soyka LF, Ziskind A, Crawford JD: Treatment of short stature in children and adolescents with human pituitary growth hormone (Raben).  
New Eng J Med 271:754-64, 8 Oct 64
- Zohn D**  
Kenmore PI, Zohn D, Miale A Jr, Adams JP: Regional intravenous anesthesia. Surg Forum 15:454-6, 1964
- Zollinger RM**  
Zollinger RM, Williams RD: Cholecystectomy. JAMA 190:145-6, 12 Oct 64
- Zollinger RM**  
Zollinger RM, Grant GN: Ulcerogenic tumor of the pancreas. JAMA 190:181-4, 19 Sep 64
- Zollinger RM**  
Howe CT, Elliott DW, Zollinger RM: Histamine metabolism in pancreatic-induced hypersecretion. Surg Forum 15:567-9, 1964
- Zoltán J**  
Pásztor E, Szabó G, Slowik F, Zoltán J: Cavernous hemangioma of the base of the skull: report of a case treated surgically. J Neurosurg 21:582-5, Jul 64
- Zondek B**  
Zondek B, Tamari I: Effect of auditory stimulation of reproduction. IV. Experiments of deaf rats. Proc Soc Exp Biol Med 116:636-7, Jul 64
- Zucker MB**  
Spaet TH, Zucker MB: Mechanism of platelet plug formation and role of adenosine diphosphate. Amer J Physiol 206:1267-74, Jun 64
- Zuidema GD**  
Kirsh MM, Neill SA, Coon WW, Zuidema GD: The role of portal systemic shunting in experimental ammonia intoxication. Surg Forum 15:100-1, 1964
- Zunker HO**  
Margaretten W, Zunker HO, McKay DG: Production of the generalized Schwartzman reaction in pregnant rats by intravenous infusion of thrombin. Lab Invest 13:552-9, Jun 64
- Zurkowski P**  
Zurkowski P: A rapid method for cholesterol determination with a single reagent. Clin Chem 10:451-3, May 64
- Zuspan FP**  
Goodrich SM, Zuspan FP: Metabolic studies in toxemia of pregnancy. Surg Forum 15:378-9, 1964
- Zvaifler NJ**  
Pekin TJ Jr, Zvaifler NJ: Hemolytic complement in synovial fluid. J Clin Invest 43:1372-82, Jul 64
- Zvolankova K**  
Fabry P, Hejzl, Fodor J, Braun T, Zvolankova K: The frequency of meals. Its relation to overweight, hypercholesterolemia, and decreased glucose-tolerance. Lancet 2:614-5, 19 Sep 64
- Zweng HC**



# ABRIDGED INDEX MEDICUS

Flocks M, Zweng HC: Laser coagulation of ocular tissues. Arch Ophthal (Chicago) 72:604-11, Nov 64

Treatment of recurrent herpes. Brit Med J 5417:1134, 31 Oct 64  
Buccal oxytocin. Brit Med J 5417:1133-4, 31 Oct 64  
To-day's drugs. Drugs of addiction. 2. Brit Med J 5417:1119-20, 31 Oct 64  
Buccal oxytocin. Brit Med J 5417:1133-4, 31 Oct 64  
Drugs for depression. Brit Med J 5414:941-2, 10 Oct 64  
Practice expenses. Brit Med J 5414:945-8, 10 Oct 64  
Practice expenses. Brit Med J 5414:946-8, 10 Oct 64  
Embolism in mitral valve disease. Brit Med J 5418:1149-50, 7 Nov 64  
Radiological protection service. Brit Med J 5418:1151-2, 7 Nov 64  
Clostridial infection. Brit Med J 5418:1150-1, 7 Nov 64  
Thyrotoxicosis in childhood. Brit Med J 5418:1147-8, 7 Nov 64  
Rib notching. Brit Med J 5418:1152, 7 Nov 64  
To-day's drugs. Bethanidine sulphate. Brit Med J 5413:885, 3 Oct 64  
Practice expenses. Brit Med J 5417:1140-1, 31 Oct 64  
Treatment of recurrent herpes. Brit Med J 5417:1134, 31 Oct 64  
Practice expenses. Brit Med J 5417:1140-1, 31 Oct 64  
Buccal oxytocin. Brit Med J 5417:1133-4, 31 Oct 64  
Endocrine influences on the skin. Brit Med J 5415:1005, 17 Oct 64  
Lysosomes. Brit Med J 5415:982-3, 17 Oct 64  
Medical professional privilege. Brit Med J 5414:955-8, 10 Oct 64  
Management of malignancy. Brit Med J 5415:959-60, 17 Oct 64  
Von Willebrand's disease. Brit Med J 5415:963, 17 Oct 64  
The abdominal policeman. Brit Med J 5415:963-4, 17 Oct 64  
Placental localization. Brit Med J 5415:961-2, 17 Oct 64  
Treatment of recurrent herpes. Brit Med J 5415:960-1, 17 Oct 64  
Diet and dental disease. Brit Med J 5415:964, 17 Oct 64  
To-day's drugs. Drugs of addiction. 2. Brit Med J 5417:1119-20, 31 Oct 64

Depersonalisation. Lancet 2:851-2, 17 Oct 64  
Suicide and suicidal attempts in children and adolescents. Lancet 2:847-8, 17 Oct 64  
Closed-chest cardiac massage. Lancet 2:739, 3 Oct 64  
Blood and bones. Lancet 2:740-1, 3 Oct 64  
Why don't we tell? Lancet 2:797, 10 Oct 64  
Combined therapy in malignant disease. Lancet 2:797-9, 10 Oct 64  
Recurrent cerebral ischaemia. Lancet 2:799-800, 10 Oct 64  
Exploration of independence. Lancet 2:827-8, 19 Sep 64  
Drug treatment in psychiatry. Lancet 2:839-40, 19 Sep 64  
Nomenclature and classification of the disorders due to heat. Lancet 2:837-9, 19 Sep 64  
When to eat. Lancet 2:829-30, 19 Sep 64  
Medical manpower. Lancet 2:893, 20 Sep 64  
Aspirin and gastric secretion. Lancet 2:882-3, 20 Sep 64  
Gastric freezing. Lancet 2:879-80, 20 Sep 64  
Use and abuse of electroencephalography. Lancet 2:883, 17 Oct 64  
Biological aspects of social problems. Lancet 2:856-8, 17 Oct 64  
Psychiatric units in general hospitals. Lancet 2:861-2, 17 Oct 64  
Action of phenol on spinal nerve-roots. Lancet 2:896-7, 24 Oct 64  
Calcium or phosphate? Lancet 2:895-6, 24 Oct 64  
Hydrocortisone in severe myocardial infarction. Trial conducted by the Scientific Subcommittee of the Scottish Society of Physicians. Lancet 2:785-8, 10 Oct 64  
Phytohaemagglutinin. Lancet 2:847-8, 19 Sep 64  
Medical manpower. Lancet 2:842-3, 19 Sep 64

## ANONYMOUS

Amer J Clin Nutr  
A review of methods used in nutrition surveys conducted by the Interdepartmental Committee on Nutrition for National Defense (ICNND). Amer J Clin Nutr 15:29-44, Jul 64

Arch Environ Health (Chicago)  
Threshold limit values for 1964. Arch Environ Health (Chicago) 9:545-54, Oct 64

Arch Ophthal (Chicago)  
Commemorating the AOS centenary. Arch Ophthal (Chicago) 72:295-8, Sep 64  
Lymphadenosis. Arch Ophthal (Chicago) 72:578, Oct 64

Brit J Ophthal  
The miotic life. Brit J Ophthal 48:354-6, Jul 64

Brit J Urol  
The pathology of testicular tumours. Studies from the Testicular Tumour Panel and Registry of the Pathological Society of Great Britain and Ireland in association with the British Empire Cancer Campaign for Research. Brit J Urol 36:1-112, Jun 64

Brit Med J  
Practice expenses. Brit Med J 5413:879-80, 3 Oct 64  
Is arterial puncture dangerous? Brit Med J 5416:1072, 24 Oct 64  
To-day's drugs. Agents for lowering serum cholesterol. Brit Med J 5418:1181-3, 7 Nov 64  
Misleading exfoliative cytology. Brit Med J 5413:874-5, 3 Oct 64  
To-day's drugs. Drugs of addiction. 1. Brit Med J 5416:1055-7, 24 Oct 64  
Work after a "coronary". Brit Med J 5413:874, 3 Oct 64  
Pseudogout. Brit Med J 5414:889-90, 10 Oct 64  
Prognosis of ulcerative colitis. Brit Med J 5414:894, 10 Oct 64  
Absence of neutrophils. Brit Med J 5414:892, 10 Oct 64  
Nursing administration. Brit Med J 5414:892-3, 10 Oct 64  
Vaccination and eczema. Brit Med J 5414:893-4, 10 Oct 64  
Misleading exfoliative cytology. Brit Med J 5413:874-5, 3 Oct 64  
Diabetes and neuropathy. Brit Med J 5414:891-2, 10 Oct 64  
Rubella and termination of pregnancy. Brit Med J 5416:1075-8, 24 Oct 64  
Thyroid nodules and cancer. Brit Med J 5416:1022, 24 Oct 64  
Hospital infection with Pseudomonas pyocyanea. Brit Med J 5416:1019-20, 24 Oct 64  
Alkaline diuresis for salicylate intoxication. Brit Med J 5416:1021-2, 24 Oct 64  
An assessment of long-term anticoagulant administration after cardiac infarction. Second report of the Working Party on Anticoagulant Therapy in Coronary Thrombosis to the Medical Research Council. Brit Med J 5413:837-43, 3 Oct 64  
Test tube embryo. Brit Med J 5413:836, 3 Oct 64  
Replacing limbs. Brit Med J 5413:832-3, 3 Oct 64  
Anticoagulants after myocardial infarction. Brit Med J 5413:831-2, 3 Oct 64  
Isolators. Brit Med J 5413:835-6, 3 Oct 64  
The Olympic Games. Brit Med J 5413:833-4, 3 Oct 64  
Practice expenses. Brit Med J 5415:1012-3, 17 Oct 64  
Influenza prospects. Brit Med J 541:1085-6700, 31 Oct 64  
Loss and gain in burns. Brit Med J 541:1090700, 31 Oct 64  
The "pill" and thrombosis. Brit Med J 541:1089700, 31 Oct 64  
Intracranial haemorrhage in haemophilia. Brit Med J 541:1089-90700, 31 Oct 64  
Basilar artery deficiency. Brit Med J 541:1086-7700, 31 Oct 64  
A case of hypertension with ischaemic kidney demonstrated at the Postgraduate Medical School of London. Brit Med J 5414:923-8, 10 Oct 64  
To-day's drugs. Treatment of acute poisoning. 1. Brit Med J 5414:927-9, 10 Oct 64  
To-day's drugs. Treatment of acute poisoning. 2. Brit Med J 5415:993-6, 17 Oct 64

Canad Med Ass J  
Report of the Special Committee to Adapt the Australian Plan of Medical Services to Canadian Conditions. Canad Med Ass J 90:Suppl:35-44, 19 Sep 64  
Report of the Special Committee on Prepaid Medical Care. Canad Med Ass J 90:Suppl:45-55, 19 Sep 64  
Exposé sur le sujet de soins médicaux accompagné de conclusions et recommandations préparé par le Comité Spécial de Politique de l'Association Médicale Canadienne. Canad Med Ass J 90:Suppl:17-33, 19 Sep 64 (Fr)

Circulation  
Association acts to promote medical identification symbol. Circulation 30:7, Jul 64

Clin Pediat (Phila)  
Management of the child with a fatal disease. Clin Pediat (Phila) 3:418-27, Jul 64

Electroenceph Clin Neurophysiol  
Index to current literature. Electroenceph Clin Neurophysiol 16:630-5, Jun 64

JAMA  
A mucolytic agent. Acetylcysteine (Mucomyst). JAMA 190:147-8, 12 Oct 64  
New names. JAMA 190:289-90, 26 Oct 64  
Primer on the rheumatic diseases. 3. JAMA 190:509-30, 9 Nov 64  
Oral poliomyelitis vaccines. Report of special advisory committee on oral poliomyelitis vaccines to the Surgeon General of the Public Health Service. JAMA 190:49-51, 5 Oct 64  
Janower ML: Painful joints. JAMA 190:232-4, 19 Sep 64  
Coronary thrombosis in myocardial infarction. JAMA 190:237, 10 Sep 64  
Safe use of pesticides. JAMA 190:466, 2 Nov 64  
Complications of direct-current countershock. JAMA 190:465, 2 Nov 64  
Primer of the rheumatic diseases. 1. JAMA 190:127-40, 12 Oct 64  
Analgesic abuse and the kidney--a commentary. JAMA 190:238-9, 19 Sep 64  
Cardiac conduction in the Marfan syndrome. JAMA 190:239, 19 Sep 64  
Physician-hospital relations. JAMA 190:74-9, 5 Oct 64  
Resistance to infection with Staphylococcus aureus. JAMA 190:391, 26 Oct 64  
Evaluation of idoxuridine (IDU) (Dendrid, Herplex, Stoxil). JAMA 190:535-8, 9 Nov 64  
Safety at the wheel. JAMA 190:391, 26 Oct 64  
Joseph Skoda (1805-1881)--Physical diagnostician. JAMA 190:240, 19 Sep 64

Lancet  
Vaginitis. Lancet 2:848-9, 17 Oct 64

Med J Aust  
Ethics in clinical research. Med J Aust 2:309-10, 22 Aug 64  
Declaration of Helsinki. Med J Aust 2:320-1, 22 Aug 64

New Eng J Med  
Case records of the Massachusetts General Hospital. Case 54-1964. New Eng J Med 271:1107-14, 5 Nov 64  
Life and death in the law. I. New Eng J Med 271:1008, 5 Nov 64  
Ammonia metabolism and schistosomiasis. New Eng J Med 271:981-2, 29 Oct 64  
Case records of the Massachusetts General Hospital. Case 53-1964. New Eng J Med 271:953-9, 29 Oct 64  
Intoxication due to local anesthetics. New Eng J Med 271:984-5, 29 Oct 64  
Case records of the Massachusetts General Hospital: weekly clinicopathological exercises. Case 52-1964. New Eng J Med 271:898-905, 22 Oct 64  
Case records of the Massachusetts General Hospital. Case 55-1964. New Eng J Med 271:1061-6, 12 Nov 64  
Immunosuppression and infection. New Eng J Med 271:1068-9, 12 Nov 64  
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 51-1964. New Eng J Med 271:837-45, 15 Oct 64  
Case records of the Massachusetts General Hospital. Case 50-1964. New Eng J Med 271:787-94, 8 Oct 64

Practitioner  
Dihydrocodeine as a cough suppressant. Practitioner 193:86-8, Jul 64

Proc Roy Soc Med  
The treatment of carcinoma of the body of the uterus. Proc Roy Soc Med 57:467-78, Jun 64  
Public persuasion in health matters with particular reference to smoking. Proc Roy Soc Med 57:449-58, Jun 64

Public Health Rep  
AMA congress on environmental health problems. Public Health Rep 79:889-94, Oct 64  
Protection against measles in West Africa. Public Health Rep 79:882, Oct 64

S Afr Med J  
The use of endoxan in the treatment of cancer. A reply by Noristan Laboratories (PTY.) LTD. and Asta-Werke A.G. S Afr Med J 38:Suppl:1-6, 15 Aug 64  
Epilepsy in South Africa--an urgent problem. S Afr Med J 38:597-8, 15 Aug 64  
Leptospirosis. S Afr Med J 38:692-4, 29 Aug 64  
Leptospirosis. S Afr Med J 38:691-2, 29 Aug 64 (Af)  
Diabetes mellitus met normale bloedsuiker, hypokalemie en lae serum cholesterol. S Afr Med J 38:700-4, 29 Aug 64 (Af)

Southern Med J  
Medical grand rounds from the University of Alabama Medical Center. Southern Med J 57:1367-64, Nov 64







Abridged  
Index  
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